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Oil, Paint and Drug Reporter

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Glue Duty Status Quo Is Urged on President

The Tariff Commission last week made recommendations to the President against withdrawal of the tariff concessions previously granted on imports of animal glue and inedible gelatin valued at less than 40 cents a pound.

These commodities are subject to reduced rates of duty pursuant to tariff concessions granted in the General Agreement on Tariffs and Trade, as follows:—On animal glue, 2 cents per pound plus 10 percent ad valorem, effective October 1, 1951, and on inedible gelatin, 1¼ cents per pound plus 10 percent ad valorem, effective January 1, 1948. The original rate for both products was 2 cents a pound plus 25 percent ad valorem.

In a report on an investigation under the so-called "escape clause" of the trade agreements act, the commission concluded that the commodities are not being imported into the United States in such increased quantities, either actual or relative, as to cause or threaten serious injury to the domestic industry.

Glue Use at Peak in '47, '48

United States consumption of animal glue and inedible gelatin apparently attained its highest level in 1947 and 1948, the commission found. In subsequent years consumption decreased but it is not possible to measure precisely the extent of the decline. It appears, however, that consumption in 1952 and 1953 probably averaged about an eighth less than in 1947 and was probably somewhat greater in 1953 than in 1952, it was stated.

Imports have long supplied a minor but considerably varying percentage of US consumption, the report continued. Imports decreased in 1951 and again in 1952, though they remained in those years substantially above the level of pre-war years. They increased again in 1953 to a

—Continued on page 55

Chlordan Labeling Rules Are Revamped by USDA

The Department of Agriculture last week issued a revision of interpretation 19 under the federal insecticide, fungicide and rodenticide act, relating to the labeling of household insecticides containing chlordan.

The new interpretation recognizes the fact that modern technics of producing technical grades of chlordan make the product less hazardous than heretofore and some relaxation of the requirements in the labeling of the product are justified. Text of the new interpretation was published in the *Federal Register*, January 14, and was effective immediately.

Mercury Chemicals Are Taken Off Positive List

Mercury compounds and spent nickel catalyst have been removed from the positive list and may now be shipped to most countries under general license, the Bureau of Foreign Commerce announced last week. Individual export licenses will continue to be required for shipments to Hong Kong, Macao, the Soviet bloc and the Communist-controlled areas of Indo-China, but shipments to other countries may be made without prior application to BFC.

In another action, the agency announced that effective January 20 abrasive pastes, compounds and cakes incorporating grains of silicon carbide, boron carbide or fused aluminum oxide have been added to the positive list of commodities requiring validated licenses for shipments to all countries outside the western hemisphere.

Chemicals Purchasing Seen Opened by US-Pakistan Pact

An agreement signed last week between the United States and Pakistan will open the way for the purchase of considerable amounts of chemicals and related materials from the United States, according to a report from the Department of State. The agreement covers the allotment of $60,000,000 of an economic aid program for Pakistan involving a total of $105,000,000.

The agreement provides that $40,000,000 is to be made available for procurement of emergency commodities and $20,000,000 for projects promoting economic development. The emergency commodities will include such items as industrial chemicals, drugs and medicines, nonferrous metals, unfinished iron and steel products and sugar. The economic development projects will probably be in the fields of industry, natural resources and agriculture, it was stated.

Soybean Funds to Formosa

An allotment of $2,420,000 was made to Formosa last week by the Foreign Operations Administration for the purchase of soybeans from the United States and its possessions. The contract period extends through June 30, and the delivery period until October 31.

Robinson-Patman Act Strengthening Objective of New Kefauver Measure

Legislation to tighten the provisions of Robinson-Patman act by making it more difficult to rely on "good faith" as a complete defense for discriminating in prices among buyers has been introduced in the senate with the support of nearly one-third of the senate membership. A similar bill also has been introduced in the house.

The bill, S. 11, is authorized by Sen. Estes Kefauver of Tennessee and grows out of the supreme court ruling two years ago in the Standard Oil Company (Indiana) case which held that it was lawful to discriminate in prices in good faith to meet the lower prices of a competitor.

The court's decision, according to Sen. Kefauver reveals a "glaring loophole" in the law that places an almost impossible burden on enforcement agencies to prove the discrimination was not in good faith. The effect of the decision, he added, was to give the big firms carte blanche to drive their smaller competitors out of business.

Defense Not Entirely Nullified

The bill sponsored by Mr. Kefauver and twenty-nine other senators would not completely nullify the good faith defense, but would limit its application. The good faith defense would still be a complete defense where only an individual competitor, or individual competitors, as distinct from competition, were injured. But it would not be a complete defense where the discrimination was of such breadth and proportions as to result in a probable injury to competition.

The Kefauver bill went into the senate and house hoppers along with a flood of other measures of varied importance, but only a comparatively few of which were of direct concern to the chemical and allied industries. In the house a new record was established when 1,532 bills were introduced on the first day of the session. Nearly 200 went into the senate also.

Old Bills Reintroduced

Probably three-fourths of the bills were reintroductions of bills that died in the last congress. Nearly half of them were so-called "relief" bills for the payment of claims to individuals or righting some other wrong that was not of public importance. In number, the topic that appeared to have the greatest interest was that of minimum wages. Nearly a score of bills to raise the minimum from 75 cents to $1 or $1.25 an hour have been introduced.

A list of some of the more important measures introduced in the senate follows:—

Oil and gas leasing—S. 32 by Sen. John J. Williams of Delaware, to amend the mineral leasing act for acquired lands to require competitive bidding for leases of deposits of oil and gas not within any

—Continued on page 52

Trade Act Hearings to Start Today In Wake of Message by Eisenhower

As the President renewed his plea for congressional action to stimulate international trade and investment, the house ways and means committee last week prepared to open hearings today on H.R. 1 to give effect to the administration's program for liberalizing the trade agreements act and extending the agreement negotiating authority for an additional three years.

Rep. Jere Cooper of Tennessee, new Democratic chairman of the committee and sponsor of the trade agreements act extension bill, announced the hearings as the first order of business to come before the committee this session. This statement gave emphasis to intentions of the Democratic leadership to give the trade program top priority in the congressional work schedule.

Recommendations Similar to 1954

Mr. Eisenhower's plea for liberalizing the law and enactment of other trade stimulating legislation was renewed in a special message to the senate and house January 10. It called for very much the same recommendations as were made in his message of last year, with the exception of amendment to the "Buy American" act. Instead of asking for the law to be changed, he decided first to test the effects of his recent executive order setting up a uniform system for the executive agencies to apply in awarding contracts between domestic and foreign bidders.

Congressional leaders of both parties generally praised the President's message and forecast its eventual approval, but there were also indications of another bitter fight within the President's own political party against his recommendations. Opposition was voiced by Rep. Daniel Reed of New York, former chairman of the ways and means committee, and by Sen. Eugene Millikin of Utah, former senate finance committee chairman. They were chiefly responsible for blocking the program last year.

Mr. Eisenhower laid his program before congress on the basis that this nation needs a foreign economic program that will stimulate economic growth in the free world through enlarging opportunities for free enterprise and competitive markets. The main features of his program are as follows:—

Main Features of Program

1. A three-year extension of the trade agreements with added authority during that period for tariff reduction by (1) cutting rates 5 percent a year, (2) cutting to 50 percent rates which now are in excess of that level on an ad valorem basis, and (3) by halving rates on goods now being imported in negligible quantities or not at all.

2. United States participation in the proposed International Finance Corporation which would operate as an arm of the World Bank to stimulate private investment in underdeveloped countries.

3. Further legislation to simplify customs procedures and to reduce the uncertainties and confusion and "unwarranted delays" now caused by a "complex system" of setting valuations on imports.

4. Continued support for United States participation in technical cooperation programs and in international trade fairs abroad.

5. Tax benefits to encourage investment abroad, including a 27 percent cut in corporate rates on business income from foreign subsidiaries, and a deferral of taxes on income from foreign branches until it is removed from the country where it is earned.

FOA Okays Second Korean Fertilizer Purchase Program

The Foreign Operations Administration last week announced that $17,500,000 has been allotted to Korea for the purchase of fertilizers under the program of relief, rehabilitation and defense. Purchases will consist of $15,000,000 of nitrogenous fertilizers and $2,500,000 of phosphatic fertilizers.

The purchases will be made from the United States and possessions, Canada, Latin America, Japan and European countries outside of the Communist orbit. The contracting period expires June 30, and the delivery period September 30.

This is the second major fertilizer purchase program for Korea approved in the last three months. Last November Korea opened bids for purchases of fertilizers under a $14,000,000 FOA allotment. A breakdown of the contract awards which was made public by FOA last week showed the following:—

United States producers received contracts to supply 75,800 metric tons of ammonium sulfate and 2,000 tons of urea; Japanese suppliers won contracts for 25,000 tons of ammonium sulfate, 3,800 tons of urea, 30,000 tons of calcium cyanamide, 48,000 tons of calcium superphosphate and 10,000 tons of fused superphosphate; German suppliers received a contract for 10,000 tons of potassium fertilizer, and an Italian supplier was awarded a contract for 4,800 tons of urea.

Nickel-Bearing Scrap Export Licensing Set for 1st Quarter

First-quarter 1955 export licensing of certain nickel-bearing scrap will be further restricted to conserve domestic supplies, the Bureau of Foreign Commerce announced last week.

Under the policy established for first-quarter export licensing, exporters now are required to submit evidence of commercial unsalability in the domestic market in support of applications to export clean nickel alloy scrap containing less than 50 percent nickel, contaminated nickel alloy scrap containing 50 percent or more nickel, nickel-bearing stainless steel (schedule B No. 654502), and type S-816 nickel-bearing cobalt scrap (B No. 664526). Pure nickel scrap and clean nickel alloy scrap containing 50 percent or more nickel will not be considered for export.

As in the previous quarter, all other nickel alloy scrap is open-ended and is excepted from special licensing requirements. Under an open-end quota, no quantitative limitation is set, but exports are controlled to protect the national security.

Norwegian Whaling Firms Sell Entire 1954-55 Output

The Norwegian whaling companies' marketing pool has succeeded in selling forward its entire anticipated production of whale oil from the 1954-55 Antarctic whaling season, according to William F. Spengler, vice consul, American Embassy, Oslo, Norway.

Production in the coming season has been forecast by the Norwegian Whaling Association at about 165,000 short tons valued at $32,200,000. By November 23 a total of 97,000 tons of whale oil, valued at about $18,480,000, had been sold forward to one United Kingdom and to two Norwegian consumers; the sale price to the British concern was reported to have been £75 per metric ton (about $190 per short ton) and to the other two purchasers 1,500 kroner per ton (about $190). This was the minimum price at which sales could be made according to the agreement among members of the pool.

By November 29 an additional 23,000 tons of oil valued at about $4,600,000 had been sold to buyers in Denmark, Iceland,

—Continued on page 64

Minerals Value in '54 Down 4 Percent From '53 Record

The Bureau of Mines last week estimated the total value of minerals produced in the United States last year at $13,820,000,000 or 4 percent below the 1953 record of $14,408,000,000.

Production of non-metallic minerals other than fuels rose slightly in 1954, but that of fuels and metals declined. The all-time high production of fertilizer materials achieved in 1953 was equalled in 1954. Phosphate rock production was about the same and potash production increased 7 percent. Domestic output of mica, asbestos, barite, and crude gypsum equalled or slightly exceeded 1953 levels.

Consumption of perlite again increased. Crude petroleum production was up in value by about 2 percent, but down in volume. Natural gas liquids output increased 2 percent over 1953 and marketed production of natural gas rose about 4 percent.

FTC Smiles on Kodak In Fair Trade Ruling

The Federal Trade Commission ruled last week that manufacturers may lawfully enter into fair trade contracts with retailers even though the manufacturer's own retail stores compete for customers. The commission agreed that there is nothing in the legislative history of the McGuire act to suggest that congress intended to discriminate against partially-integrated concerns in giving sanction to fair trade contracts.

The ruling was made in dismissal of charges that Eastman Kodak Company had violated the law in maintaining resale prices on some 163 amateur photographic products. The theory of the complaint rejected by the commission was that manufacturers must choose between direct selling and fair trading through independent outlets and that they could not retain both selling methods in the same market area.

Commission Singles Out Issue

"The sole issue before the commission on this appeal," the opinion stated, "is whether respondent's resale price maintenance agreements are excluded . . . from the protection of the McGuire act by reason of the fact that respondent is not only a manufacturer but is also engaged in the operation of thirty-five retail outlets which compete with other retail outlets dealing in the same fair-traded products."

"The McGuire act," chairman Edward F. Howrey declared, "like the earlier Miller-Tydings act was enacted by the congress for the purpose of exempting resale price maintenance agreements from the price-fixing prohibitions of the antitrust and Federal Trade Commission acts.

"This exemption, in favor of trademarked commodities which are 'in free and open competition with commodities of the same general class' sold by others, contains one important limitation:—

"'Nothing contained in . . . [the act] shall make lawful contracts or agreements providing for the establishment or maintenance of minimum or stipulated resale prices on any commodity . . . between manufacturers, or between wholesalers, or between brokers, or between factors, or between retailers, or between persons, firms, or corporations in competition with each other'."

Basis of Complaint

This limitation formed the basis of the complaint, issued in September, 1952, which charged that since Eastman Kodak owned thirty-five retail stores, it was in competition with the retail stores to which

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Price Index Moves Up

The overall OPD price index moved upward last week, reversing the movement of the previous week. The week's advance of 0.07 point brought the figure to 106.61. Adding strength was the agricultural chemicals market, where fishmeal and fishscrap prices went upward. A revival of buying interest was noted for most agricultural chemicals. Also stronger was the heavy chemicals group. The rayon grade of sodium sulfate was advanced. Tin moved up fractionally. Aluminum ingots were increased by major producers, but the advances were not uniform in the industry by press time.

The oils, fats and waxes group featured declines for coconut, cottonseed, palm kernel and soybean oils. Also lowered were lard, grease, copra, cocoa butter, oleo stearine, and waxes. Palm, peanut and tung oils went higher, as did crude African bees wax. Argentine casein was fractionally higher. Other materials in the protective coatings market were unchanged. Coal chemicals were stable throughout the week, as were drugs, fine chemicals and botanicals.

Valonia extract dropped among textile and leather chemicals. Other materials in this market were unchanged. Lemongrass and wormseed oils were higher among essential oils. Declines were made by expressed West Indian line and Bourbon vetiver oils. The list of spices advanced included Mexican anise seed, fancy and AA cardamom seed, Sierra Leona ginger, and Nicaraguan sesame seed. French celery seed dropped, along with cloves, black Malabar pepper, Mexican pimento, and Polish popy seed. There were no price changes among petroleum derivatives.

Prices Advanced

Anise seed, Mexican, 4c. per lb. (57).
Cardamom seed, fancy, bleached, bold, 15c. per lb. (57).
AA, 30c. per lb.
decorticated, Alleppey, 5c. per lb.
Casein, Argentine, ½c. per lb. (63).
Fishmeal, $5 per ton (47).
Fishscrap, $5 per ton (47).
Ginger, Sierra Leone, 1c. per lb. (57).
Oil, lemongrass, 15c. per lb. (57).
Palm, ⅛c. per lb. (60).
Peanut, refd., ¼c. per lb. (60).
Tung, ½c. per lb. (60).
Wormseed, 25c. per lb. (57).
Potassium stannate, 0.4c. per lb. (34).
Sesame seed, Nicaraguan, nat., ½c. per lb. (57).
Sodium sulfate, rayon grade, $2 per ton (34).
Stannate, 0.4c. per lb.
Stannic chloride, ½c. per lb. (34).
Stannous chloride, anhyd., 0.6c. per lb. (34).
hydrous, cryst., ½c. per lb.
Sulfate, 0.6c. per lb.
Tin, ⅝c. per lb. (34).
Wax, bees, crude, African, 1c. per lb. (60).

Prices Reduced

Celery seed, French, 2c. per lb. (57).
Indian, ½c. per lb.
Cloves, 1c. per lb. (57).
Cocoa butter, 1c. per lb. (60).
Copra, $5 per ton (60).
Grease, choice white, ¼c. per lb. (60).
Lard, ¼c. per lb. (60).
Oil, castor, No. 1 Braz., ¼c. per lb. (60).
refd., ¼c. per lb.
Coconut, crude, ¼c. per lb. (60).
Cottonseed, crude, ¼c. per lb. (60).
refd., ¼c. per lb.
Lime, expressed, West Indian, 25c. per lb. (57).
Palm kernel, ¼c. per lb. (57).
Soybean, crude, ¼c. per lb. (57).
refd., ¼c. per lb.
Vetiver, Bourbon, 75c. per lb.
Oleo stearine, ¼c. per lb. (60).
Pepper, black, Malabar, 2c. per lb. (57).
Pimento, Mexican, 3c. per lb. (57).
Poppy seed, Polish, 1c. per lb. (57).
Valonia extract, ¼c. per lb. (59).
Wax, No. 3 Ceara, crude, 4c. per lb. (60).
refd., 2c. per lb.
Parnahyba, 1c. per lb.
Japan, 1c. per lb.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

January 14, 1955	January 7, 1955	January 15, 1954
106.61	106.54	107.53

Monsanto Organics Lab On New Tax Benefit List

The Office of Defense Mobilization issued certificates of necessity for accelerated tax amortization for fifty new or expanded facilities amounting to $55,612,383 during the period December 16 to 29. Included among the projects were a $155,000 chemical research and development laboratory of Monsanto Chemical Company, organic chemicals division, at St. Louis, Mo., and $72,000 for railroad tankcar construction by North American Car Corporation, Chicago.

The three largest certificates approved by ODM were:—Service Pipe Line Company, Tulsa, Okla., petroleum pipeline, $35,886,000; Reading Company, Philadelphia, railroad freight cars, $1,706,000, and Potter Towing Company, Nashville, Tenn., inland waterway tow boat and barges, $1,630,000.

With the latest list of certificates, accelerated tax amortiation amounting to $17,858,672,000 has been allowed by ODM. This represents 60 percent of the total investment in new plants and facilities of $29,659,809,000 involved in 19,388 projects.

Vanilla Bean Association Elects Solomon President

The Vanilla Bean Association has announced the election of Henry Solomon, of F. Huber & Co., New York, as president. Other new officers are:—Vice-president, W. H. Triest, of Zink & Triest Company, Philadelphia; treasurer, J. Manheimer, of the J. Manheimer firm, New York, and directors, Edward S. Buckley, of Thurston & Braidich, New York; James Schmidt, of Dammann & Co., New York, and J. R. Maxwell, of Comax Company, Philadelphia.

CCC-Owned Butter Offered

The Department of Agriculture announced last week the offer of 10,000,000 pounds of Commodity Credit Corporation-owned butter for sale on a competitive bid basis for commercial export. Offers will be considered on Monday of each week beginning January 24 until the entire quantity as sold or the program is terminated.

Fertilizer Output Expansion Reported Planned in Mexico

Because that country must still depend upon imports for much of its fertilizer, the Mexican government has given tentative approval to three projects to expand fertilizer production, the Department of Commerce stated last week.

One of the projects is a proposed anhydrous ammonia unit at Coatzacoalcos for 180 tons a day; another is the installation of facilities to recover by-product ammonium sulfate at the Monclova steel mill, while the third is the expansion of present ammonium sulfate capacity at Cuautitlan, which started up superphosphate operations last year.

Production of ammonium sulfate in Mexico during 1953-54 amounted to 65,312 metric tons, and the output of superphosphate totaled 69,536 tons. Ammonium sulfate was up only 1,000 tons from the preceding year, but superphosphate production was 14 percent greater.

Aluminum Scrap Exports Remain on Open-End Basis

The Bureau of Foreign Commerce last week announced that first quarter 1955 export licensing of aluminum scrap will continue under the present open-end policy. Under an open-end quota, no quantitative limitation is set, but exports are controlled to protect the national security.

In addition, all special licensing requirements previously imposed have been removed, and exporters are no longer required to submit such evidence as copies of irrevocable letters of credit and purchase contracts in connection with their applications to export this commodity.

USDA Post Is Proposed For CSS Chief McConnell

James A. McConnell, administrator of the Commodity Stabilization Service, was nominated for the post of assistant Secretary of Agriculture last week by President Eisenhower. He would succeed Ross Rizley. Earl M. Hughes was named to succeed Mr. McConnell as CSS administrator. He has been a consultant to the administrator since last fall, and worked on problems related to price support and administration.

Flaxseed Processors Form New Association for Industry

A new trade organization in the flaxseed processing field was organized at a meeting in Washington January 11 under the name of the National Flaxseed Processors Association.

The association will promulgate trading rules for linseed oil and meal and promote research in connection with new markets as well as cooperate with government agencies and laboratories, official societies and other interested groups in the establishment and maintenance of test methods and standards for flaxseed products.

Directors of the new association are:—President, Fred M. Seed, vice-president of Cargill, Inc.; vice-president, E. H. Russell, president of Minnesota Linseed Oil Company; Victor A. Acer, vice-president of Spencer Kellogg & Sons, Inc.; S. B. Coolidge, jr., vice-president of Sherwin-Williams Company; John Daniels, director of linseed oil sales, Archer-Daniels-Midland Company.

The treasurer is Ralph Bruce of Archer-Daniels, while the executive secretary is George L. Prichard, of the Bureau of Raw Materials for the American Vegetable Oils and Fats Industries.

Harry A. Hall Acquires Control of Kyanize Paints

Harry A. Hall, jr., has acquired financial control of Kyanize Paints, Inc., Everett, Mass. Harry A. Hall, 3rd, Kyanize purchasing agent for the past two years, and Carelton Spencer, Boston attorney, have been newly elected to the company's board of directors.

The following officers of the company have been re-elected:—President, Renshaw Smith, jr., vice-president and treasurer, Harry A. Hall, jr., and Alfred E. Howell, clerk and secretary. Re-elected to the board were Hildreth Auer, W. Wasley Gilmour, Harry A. Hall, jr., Mr. Howell, Franklin J. Lane, Mr. Smith, Virgil W. Tobey and J. VanCloten.

BDSA Appoints Dow Man An Assistant Administrator

Arthur W. Winston, assistant manager of the magnesium department of Dow Chemical Company, Midland, Mich., last week was appointed assistant administrator of the Business and efense Services Administration. He succeeds R. G. Boyd, who has returned to his industry post as assistant general sales manager of Kaiser Aluminum & Sales, Inc.

Mr. Winston's office had the primary responsibility for general supervision of four BDSA industry divisions:—Aluminum and magnesium, copper, iron and steel, and miscellaneous metals and minerals.

SCI Picks Convention Site

The Society of Chemical Industry will hold its seventy-fourth annual meeting in Birmingham, England, July 11 to 16. The meeting will be held in the University of Birmingham, which is situated at Edgbaston about three miles from the city center.

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Vitamin Talks Slated March 1 in New York

The National Vitamin Foundation has announced plans for a symposium to be held March 1 at the Biltmore hotel, New York, on "The Antimetabolites—Their Modes of Action and Therapeutic Implications."

The morning session will be presided over by Dr. Paul L. Day, of the University of Arkansas, Little Rock, Ark. The following papers will be presented:—"Anti-Vitamin E Stress Factors as Related to Fatty Peroxides," by E. L. Hove, Alabama Polytechnic Institute, Auburn, Ala.; "Thiamine Antagonists," by L. R. Cerecedo, Fordham University, New York; "Vitamin K Antagonists," by K. P. Link, University of Wisconsin, Madison, Wis., and "Folic Acid Antagonists," by J. H. Burchenal, Memorial Center for Cancer and Allied Diseases, New York.

Dr. R. W. Heinle, of Upjohn Company, Kalamazoo, Mich., will be chairman at the afternoon session. At that time the following papers will be read:—"Purine and Pyramidine Antagonists," by G. H. Hitchings, Wellcome Research Laboratories, Tuckahoe, N. Y.; "A Naturally Occurring Antimetabolite of Methionine in the Causation of a Disease," by D. W. Woolley, Rockefeller Institute for Medical Research, New York; "Pantothenic Acid Antagonists," by O. D. Bird, Parke, Davis & Co., Detroit, Mich.; "Vitamin B_6 Antagonists," by W. W. Unbreit, of Merck Intitute for Therapeutic Research, Rahway, N. J., and "Riboflavin Antagonists," by J. P. Lambooy, University of Rochester, Rochester, N. Y.

Carbide Develops Insecticide Chemically Tied to Allethrin

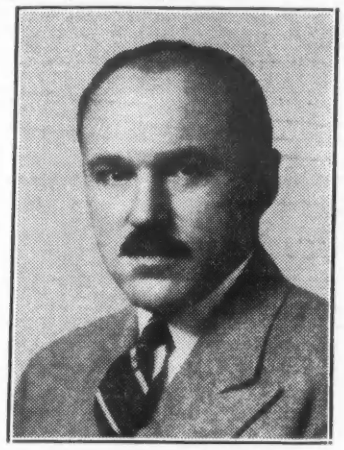
A new insecticide for controlling house flies and other insects has been announced by Carbide & Carbon Chemicals Company, a Division of Union Carbide & Carbon Corporation, New York. It has been given the name "cyclethrin" and is chemically related to allethrin. The complex cyclethrin molecule was first synthesized in Carbide's research and development laboratories at South Charleston, W. Va., and was evaluated against insect pests by the biological research fellowship at Boyce Thompson Institute for Plant Research, Yonkers, N. Y.

Cyclethrin is synergized by readily available synergists to a far greater extent than is allethrin, according to Carbide. Therefore, it can be used to advantage in oil space sprays and in low-pressure aerosols for use against house flies, gnats, and mosquitoes. Cyclethrin is said to be more effective when used in dairy and livestock sprays. Field tests have shown that treadle spray concentrates containing cyclethrin afford dairy and beef animals excellent protection from horse flies.

Shamrock Promotes Heron

Robert P. Heron, who has been serving as director of sales in Philadelphia for Shamrock Chemicals Corporation, New York, has been elected vice-president and director, according to an announcement from the company, which is the exclusive distributor for the Warwick line of microcrystalline and specialty waxes in Pennsylvania and Delaware.

Great Lakes Carbon V.P.



Michel E. Puyans has been made vice-president of finance for Great Lakes Carbon Corporation, New York. Mr. Puyans was formerly vice-president and treasurer, being succeeded in the latter post by William O. Ashe, former assistant treasurer. Mr. Puyans joined Great Lakes Carbon as treasurer in 1945 after eighteen years with the New York Trust Company in various posts. He was elected vice-president in 1950.

Columbia-Southern Makes Expansion Move in Canada

Dominion Tar & Chemical Company, Ltd., has sold its chlorine and caustic soda manufacturing plant at Beauharnois, Quebec, Canada, to Standard Chemical, Ltd., a newly-organized firm controlled by Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Columbia-Southern is itself a wholly-owned subsidiary of Pittsburgh Plate Glass Company.

Included in the sale were Dominion Tar's resale chemical merchandising facilities, which were operated in eastern Canada by Standard Chemical Company, Ltd., a former division of Dominion Tar, and in the west by Commercial Chemicals, Ltd. Dominion Tar has a substantial but unstated interest in the new company, which will have Col. W. E. Phillips as its chairman, E. T. Asplundh, president of Columbia-Southern, as its president and R. F. Powell as vice-president and general manager.

Pennsalt to Open Two New Chemical Specialty Facilities

Pennsylvania Salt Manufacturing Company, Philadelphia, will open a new plant at Delaware, Ohio, tomorrow, January 18. This plant, Pennsalt's thirteenth production facility, is a component of the company's chemical specialties division. A similar installation nearing completion at Chicago Heights, Ill., will be dedicated February 10.

These plants will serve as blending, packaging and warehousing centers for Pennsalt's markets in the east-central area. They are the first of a number of projected units designed exclusively for this purpose.

Patent Rules Revised by Military

The patents section of the 1955 edition of the Armed Services Procurement Regulations has been revised by Department of Defense for issuance January 24, to be made effective in ninety days. The revision is the result of approximately three years of work which began with hearings by the Patent Policy Review Board in January, 1952.

Principal changes in the revision from the current edition of the regulations are the elimination of ASPR 9-107.2 providing for title to patent rights under specified conditions; the elimination of the requirements of ASPR 9-107.3 for the reproduction rights license under background patents and the substitution of a prohibition against negotiating for patent rights under background patents which have been actually reduced to practice as an indicant to the procurement of supplies or services; and changes in the "reporting of royalties" requirements. One important change in the latter is to excuse contractors from reporting royalties of less than $250.

New Provision Noted

There is a new provision authorizing a military department to obtain patent rights under an approved product improvement program when the department is providing substantial financial support for such a program.

Some of the issues of general interest were resolved as follows:—

1. The government will continue to obtain license rights under inventions first actually reduced to practice. However, the circumstances under which inventions which have been covered by a patent ap-

—*Continued on page 70*

Ethyl Will Build Antiknock Compound Plant in Canada

E. L. Shea, president of Ethyl Corporation, New York, last week announced plans to build at Sarnia, Ontario, Canada, a plant to manufacture antiknock compounds. The plant will be owned and operated by Ethyl Corporation of Canada, Ltd., a subsidiary of Ethyl Corporation.

The new plant, which will be the first to manufacture antiknock compounds in Canada, will be used to supply the growing needs for these products by Canadian oil refiners. At present, antiknock fluid is imported from the United States where Ethyl Corporation has manufacturing plants at Baton Rouge, La., and near Houston, Tex.

AEC Tells Plan to Assist Industry on Atomic Power

The Atomic Energy Commission last week announced that it plans to help private industry develop and operate experimental atomic power plants.

Lewis L. Strauss, chairman of the AEC, said that proposals for commission cooperation may be submitted up to April 1 by applicants who are willing to assume the risk of construction, ownership and operation of reactors designed to demonstrate the practical value of such facilities for industrial or commercial purposes. The commission may accept one or several of the proposals—or it may find that none is acceptable, it was pointed out. To carry on their projects, persons or firms making acceptable proposals must qualify as licensees under the provisions of the atomic energy act of 1954.

Kinds of Cooperation

The commission will consider, within the limits of available funds, providing the following kinds of cooperation and assistance:—

a. Waiving the established commission charges for loan of source and special nuclear materials up to an agreed upon amount for a period of up to seven years from July 1. However, the licensees will be required to pay for materials consumed in the demonstration project and for services performed for them by the AEC, such as recovery of materials from spent fuel elements

b. Performing in AEC laboratories without charge to the licensees certain mutually agreed upon research and development work.

c. Entering into research and development contracts under section 31a. for the technical and economic information resulting from development, construction and operation of power demonstration reactors by contractors. The amounts to be paid by AEC under the contracts will be fixed in advance and may be used for development, fabrication and experimental operation. Information derived from

—*Continued on page 70*

Plastics Output Seen Up By 150,000,000 Pounds

Production of plastics materials will be around 2,900,000,000 pounds this year, a gain of 150,000,000 pounds over sales in 1954. So predicted John J. O'Connell, president of the Society of the Plastics Industry, in an address prepared for radio delivery January 15.

Mr. O'Connell, who is also president of Consolidated Molded Products Corporation, Scranton, Pa., said that he looks for an "overall 5 percent increase" in plastics business this year. In addition to increased sales, he said, the outlook is for the development of new products and the increasing use of plastics in building construction, automobiles, clothing and other industries.

William T. Cruse, SPI executive vice-president, forecast the development of new products and increased use of plastics in building construction, clothing, furniture, sporting goods, automobiles and packaging.

"The use of plastics film in making various types of garments will increase," Mr. Cruse said. "Foamed or cellular plastics, which are quite new, will be used extensively in the furniture industry, in the automobile industry and in the manufacture of sporting goods. Reinforced plastics will be adopted more widely by the automobile and truck industry. And plastics film and molded plastics will be used more and more in all types of packaging."

Catalin Corp. Elects Hyman V. P. and Technical Director

Catalin Corporation of America, New York, has elected Joseph Hyman vice-president and technical director of the company. Mr. Hyman will be in charge of research and development, quality control and technical service for Catalin's plants in Fords, N. J.; Calumet City, Ill., and Thomasville, N. C. He has been with the company since February, 1945.

Hooker, Durez Talk Merger

Negotiations are being conducted by the officers of Hooker Electrochemical Company, Niagara Falls, N. Y., and Durez Plastics & Chemicals, Inc., North Tonawanda, N. Y., for a merger of Durez with Hooker by the issuance of one share of Hooker for each share of Durez. In anticipation of this, the board of directors of Durez declared a 10 percent stock dividend at its meeting January 13.

Pfizer Claims Victory In Tetracycline Battle

Chas. Pfizer & Co., Brooklyn, N. Y., announced last week that the Patent Office had granted the firm a patent on tetracycline, the new broad-spectrum antibiotic about which there has been a long-raging dispute in the drug industry.

Pfizer at the same time revealed that it was instituting a suit for patent infringement against Bristol-Myers Company's Bristol Laboratories, Inc., E. R. Squibb & Sons Division of Olin Mathieson Chemical Corporation and Upjohn Company, the concerns which had been involved with Pfizer over patent rights.

These firms, however, immediately countered with announcements that they intended to continue the promotion and sale of tetracycline under their own brand names.

What Patent Covers

The patent, which Pfizer said was announced in the official *Gazette* of the Patent Office, includes eighteen claims covering the manufacture, use and sale of tetracycline and its salts, as well as processes for their manufacture and antibiotic compositions containing these materials. Pfizer markets the antibiotic under the trade name "Tetracyn."

Pfizer said that the legal proceedings which it instituted last week ask for treble damages and an injunction to prohibit unlicensed manufacture and distribution of its product.

In response, D. S. Gilmore, chairman of the board and managing director of Upjohn, said that the litigation "based on the Pfizer tetracycline patent had caused no change in Upjohn's plans for the continued promotion and sale of 'Panmycin,' the Upjohn brand of tetracycline, or formulations of 'Panmycin.'"

F. N. Schwartz, president of Bristol Laboratories, said, "We are making no change in our plans for the promotion and sale of 'Polycycline,' Bristol tetracycline, or for the promotion and sale of formulations of 'Polycycline'."

Squibb Plans No Change

J. C. Leppart, executive vice-president of Olin Mathieson, went on record saying that his company was considering no change in its plans for the promotion and sale of "Steclin," its brand of tetracycline.

In an announcement to hospitals, wholesale and retail druggists, Squibb said, "We will protect our distributors and custom-

—*Continued on page 70*

Borax Consolidated Refuses Stock Offer by US Syndicate

Borax Consolidated, Ltd., London, England, last week reported that it has called off talks with an American syndicate seeking to buy control of the British firm.

In a letter to stockholders, D. Abel Smith, Borax Consolidated chairman, pointed out the sale would have shifted ownership of a British company with expanding worldwide interests to a foreign group. Calling attention to the fact that there are no known deposits of boron in the British Commonwealth, Mr. Smith declared that the loss of the company would have been felt for years to come by Britain.

Rejected as inadequate was the offer of the equivalent of $14 a share for 3,000,000 degerre deferred common shares and approximate prices for the 5½ percent cumulative preference stock and the 6 percent preferred. The offer for Borax Consolidated's stock was made by Model Roland & Stone, New York, and Capital Research & Management Company, Los Angeles, acting for several US investment trusts.

Mr. Smith added, however, that if the British government does not grant the company some tax relief, Borax Consolidated may try to shift its headquarters to the United States.

Hydroxypivaldehyde Made On Pilot Scale by Eastman

Eastman Chemical Products, Inc., is now offering pilot plant quantities of hydroxypivaldehyde. A derivative of isobutyraldehyde, the material is being produced by Texas Eastman Company in Longview, Tex. Shipped as a wet cake to insure stability, the new derivative is said to assay 90 percent minimum on a dry basis (50 percent minimum on a wet basis) with a maximum APHA color of 200.

The monomeric form of the aldehyde is reported to dimerize spontaneously, but to readily depolymerize during chemical reactions to react as the monomeric hydroxy aldehyde. Sample quantities of hydroxypivaldehyde may be obtained by writing to Eastman Chemical at Kingsport, Tenn.

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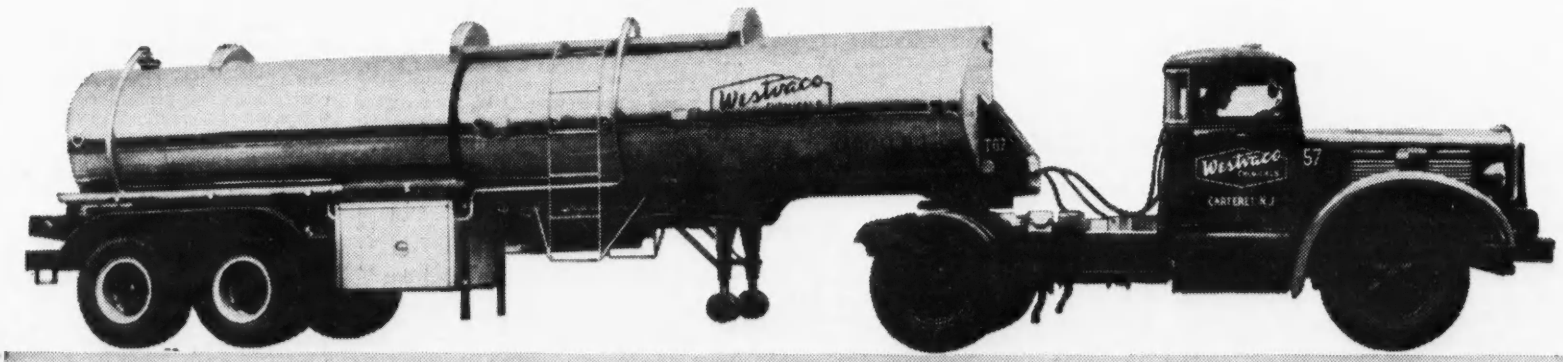

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Association Meetings

This Week

Chemical and Allied Product Buyers' Group of National Association of Purchasing Agents, Palmer House, Chicago, January 18.

Chemical Market Research Association, joint meeting with CCDA, Edgewater Beach hotel, Chicago, January 20-21.

Commercial Chemical Development Association, joint meeting with CMRA, Edgewater Beach hotel, Chicago, January 20-21.

Salesmen's Association of the American Chemical Industry, installation meeting, Roosevelt hotel, New York, January 19.

Air Pollution Control Association, annual meeting, Detroit, Mich., May 22-26.

American Coke and Coal Chemicals Institute, regional meeting, Drake hotel, Chicago, January 27.

American Drug Manufacturers Association, annual meeting, Boca Raton Club, Boca Raton, Fla., April 13-15.

American Institute of Chemical Engineers, Kentucky hotel, Louisville, Ky., March 20-23; Shamrock hotel, Houston, Tex., May 1-4; annual meeting, November 27-30, Statler hotel, Detroit, Mich.

American Oil Chemists' Society, annual meeting, Roosevelt hotel, New Orleans, La., April 17-20.

American Pharmaceutical Association, annual convention, Miami Beach, Fla., May 1-6.

American Pharmaceutical Manufacturers Association, central section meeting, Edgewater Beach hotel, Chicago, February 7-9; western section meeting, Ambassador hotel, Los Angeles, February 14-15; annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., June 6-8.

American Society for Testing Materials, committee week, Netherland Plaza hotel, Cincinnati, Ohio, January 31-February 4; annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., June 26-July 1.

American Water Works Association, annual conference, Chicago, June 12-17.

Antitrust Law Section, New York State Bar Association, annual meeting, Bar Association House, New York, January 26.

Association of American Soap and Glycerine Producers, annual convention, Waldorf-Astoria hotel, New York, January 26-28.

Association of Consulting Chemists and Chemical Engineers, symposium, Belmont Plaza hotel, New York, April 26; all-day forum and annual meeting, Belmont Plaza hotel, New York, October 25.

Chemical and Allied Product Buyers' Group of National Association of Purchasing Agents, Commodore hotel, New York, January 25.

Chemical Institute of Canada, protective coatings division conference, Royal York hotel, Toronto, February 24, Ritz Carlton hotel, Montreal, February 25; chemical engineering division conference, Ottawa, March 7-9; annual conference and exhibition, Quebec City, Quebec, May 30-June 1.

Chemical Market Research Association, annual meeting, Plaza hotel, New York, May 18-19.

Chemical Specialties Manufacturers Association, mid-year meeting, Drake hotel, Chicago, May 15 to 17.

Chlorine Institute, annual meeting, Biltmore hotel, New York, January 26.

Drug, Chemical and Allied Trades section of the New York Board of Trade, mid-winter luncheon, Waldorf-Astoria hotel, New York, February 3; annual dinner, Waldorf-Astoria hotel, New York, March 3; Pocono Inn, Pocono Manor, Pa., September 22-25.

Federal Wholesale Druggists Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., September 11-14.

Food, Drug and Cosmetic Law Section, New York State Bar Association, annual meeting, Bar Association House, New York, January 27.

Manufacturing Chemists Association, annual outing in conjunction with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 9-11.

National Farm Chemurgic Council, annual chemurgic conference, Deshler-Hilton hotel, Columbus, Ohio, March 22-24.

National Pest Control Association, Purdue Pest Control Operators' Conference, Purdue University, West Lafayette, Ind., January 31-February 4; Southern Pest Control Operators' Conference, Louisiana State University, Baton Rouge, La., January 31-February 2; Eastern Pest Control Operators' Conference, University of Massachusetts, Amherst, Mass., February 3-5.

National Petroleum Association, spring meeting, Cleveland, Ohio, April 13-15; annual meeting, Atlantic City, September 14-16.

National Vitamin Foundation, symposium, Biltmore hotel, New York, March 1.

Packaging Machinery Manufacturers Institute, semi-annual meeting, Palmer House, Chicago, April 16-17; annual meeting, The Homestead, Hot Springs, Va., September 15-18.

Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, William Penn hotel, Pittsburgh, Pa., February 28-March 4.

Plant Maintenance and Engineering Show, International Amphitheatre, Chicago, January 24-27.

Society of the Plastics Industry, annual meeting and conference, cruise on the Queen of Bermuda, May 7-15.

Synthetic Organic Chemical Manufacturers Association, regular monthly luncheon meeting, Commodore hotel, New York, February 9; annual outing in conjunction with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 9-11.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 10-12.

Oils, Fats Consumption: November

Factory consumption of primary oils, fats, fatty acids, and related materials, in November, 1954, totaled 1,535,799,000 pounds, according to the Bureau of Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	367,125,000
Paint and varnish	38,668,000
Processing	393,010,000
Refining	529,281,000
Soap	100,286,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
Babassu—	Crude	Refined
Refining	.....	.....
Soap	.....	.....
Other	.....	.....
Castor—	No. 1	No. 3
Refining	[1]	.....
Fat-splitting	187,000	238,000
Sulfonation	26,000	.....
Soap	175,000	[1] .....
Paint and varnish	[1]	[1] .....
Linoleum and oilcloth	[1]	[1] .....
Chemicals	28,000	17,000
Lubricants and greases	3,176,000	328,000
Other uses		
Castor, dehydrated—		
Soap	.....	817,000
Paint and varnish	.....	[2] .....
Linoleum and oilcloth	.....	262,000
Lubricants and greases	.....	
Other uses		
Coconut—	Crude	Refined
Refining	27,699,000	6,040,000
Deodorizing	.....	3,386,000
Hydrogenation	.....	[1] .....
Fat-splitting	4,501,000	140,000
Shortening	.....	8,000
Sulfonation	39,000	1,844,000
Other edible products	[1]	[1] .....
Chemicals	6,227,000	7,213,000
Soap	1,516,000	431,000
Paint and varnish		[1]
Other uses		
Cod and codliver—		All grades
Sulfonation	.....	381,000
Deodorizing	.....	.....
Paint and varnish	.....	962,000
Other uses		
Corn—	Crude	Refined
Refining	21,504,000	[1] .....
Sulfonation	.....	.....
Deodorizing	.....	2,318,000
Winterizing for salad oil	.....	6,568,000
Shortening	.....	[1] .....
Oleomargarine	.....	[1]
Other edible uses	[1]	8,470,000
Soap	[1]	.....
Paint and varnish	.....	[1] .....
Other uses	[1]	
Cottonseed—	Crude	Refined
Refining	171,355,000	.....
Sulfonation	[1]	.....
Hydrogenation	.....	61,717,000
Deodorizing (whole oil)	.....	2,367,000
Winterizing for salad oil	.....	63,264,000
Shortening	.....	20,749,000
Oleomargarine	.....	5,232,000
Other edible uses	.....	3,409,000
Soap	.....	[1] .....
Paint and varnish	.....	[1] .....
Other uses	.....	66,000
Fish—	Menhaden	Sardine
Refining	[2]	[2] .....
Fat-splitting	.....	.....
Sulfonation	[2]	119,000
Soap	.....	.....
Paint and varnish	301,000	393,000
Linoleum and oilcloth	[2]	[2] .....
Lubricants and greases	67,000	
Other uses	706,000	393,000
Fish, other—	Crude	Refined
Refining	.....	.....
Paint and varnish	62,000	228,000
Other uses	632,000	322,000
Fishliver, other than cod—		
Sulfonation	.....	.....
Lubricants and greases	.....	[2] .....
Other uses		
Linseed—	Raw	Refined
Refining	23,750,000	.....
Fat-splitting	475,000	[1] .....
Soap	.....	[1] .....
Paint and varnish	7,201,000	10,461,000
Linoleum and oilcloth	5,176,000	.....
Lubricants and greases	[1]	[1] .....
Other uses	4,497,000	4,097,000
Marine mammal—		All grades
Refining	.....	352,000
Sulfonation	.....	[2] .....
Paint and varnish	.....	[2] .....
Chemicals	.....	1,184,000
Lubricants and greases	.....	197,000
Other uses		
Neatsfoot—		All grades
Refining	.....	67,000
Sulfonation	.....	[2] .....
Soap	.....	[2] .....
Chemicals	.....	[2] .....
Lubricants and greases	.....	158,000
Other uses		
Oiticica—		All grades
Paint and varnish	.....	506,000
Linoleum and oilcloth	.....	[1] .....
Other uses		165,000
Olive—	Edible	Inedible
Edible uses	190,000	[1] .....
Soap	[1]	8,000
Other uses	[1]	[1] .....
Oleo—		All grades
Shortening	.....	[2] .....
Oleomargarine	.....	[2] .....
Other edible uses	.....	[2] .....
Soap	.....	.....
Lubricants and greases	.....	[2] .....
Other uses		
Palm—	Crude	Refined
Soap	[1]	[1] .....
Lubricants and greases	[1]	.....
Other uses	2,422,000	[1] .....
Palmkernel—	Crude	Refined
Soap	803,000	[1] .....
Peanut—	Crude	Refined
Refining	[2]	.....
Sulfonation	[4]	20,000
Hydrogenation	.....	1,062,000
Deodorizing	.....	1,462,000
Winterizing for salad oil	.....	.....
Shortening	.....	[1] .....
Oleomargarine	.....	[1] .....
Other edible uses	.....	331,000
Soap	[1]	.....
Other uses	.....	200,000
Perilla—		All grades
Paint and varnish	.....	.....
Rapeseed—		
Lubricants and greases	.....	83,000
Sesame, refined—		
All uses	.....	100,000
Soybean—	Crude	Refined
Refining	219,255,000	.....
Fat-splitting	[1]	[1] .....
Sulfonation	8,000	45,000
Hydrogenation	.....	113,599,000
Deodorizing (whole oil)	.....	9,553,000
Winterizing for salad oil	.....	10,138,000
Shortening	.....	46,295,000
Oleomargarine	.....	7,723,000
Other edible uses	.....	3,194,000
Soap	39,000	[1] .....
Paint and varnish	401,000	6,156,000
Chemicals	.....	[1] .....
Lubricants and greases	[1]	15,000
Linoleum and oilcloth	[1]	[1] .....
Other uses	6,545,000	5,517,000
Tallow—	Pounds All grades	
Soap	.....	
Lubricants and greases	469,000	
Other uses	[2]	
Tung—		
Paint and varnish	2,991,000	
Chemicals	[1]	
Lubricants and greases	.....	
Linoleum and oilcloth	92,000	
Other uses	511,000	
Vegetable, not specified—		
Refining	1,452,000	
Fat-splitting	898,000	
Hydrogenation	2,230,000	
Sulfonation	112,000	
Winterizing for salad oil	.....	
Shortening	3,175,000	
Oleomargarine	5,000	
Other edible uses	2,916,000	
Soap	513,000	
Paint and varnish	510,000	
Linoleum and oilcloth	783,000	
Chemicals	3,513,000	
Lubricants and greases	63,000	
Other uses	7,730,000	

Fats and Greases

Grease and lard oil—		
Sulfonation	.....	160,000
Soap	.....	[2] .....
Lubricants and greases	.....	955,000
Other uses		628,000
Grease, not specified—		
Refining	.....	.....
Fat-splitting	.....	5,761,000
Winterizing	.....	.....
Sulfonation	.....	3,000
Hydrogenation	.....	[2] .....
Pressing	.....	5,795,000
Soap	.....	12,218,000
Lubricants and greases	.....	721,000
Other uses		1,322,000
Lard—	Rendered	Refined
Shortening	10,073,000	7,360,000
Oleomargarine	[2]	666,000
Hydrogenation	2,134,000	489,000
Other edible uses	1,321,000	986,000
Soap	[2]	.....
Lubricants and greases	[2]	[2] .....
Other uses	[2]	[2] .....
Stearine, animal—	Edible	Inedible
Shortening	822,000	.....
Oleomargarine	359,000	.....
Other edible uses	128,000	.....
Soap	[2]	154,000
Other uses	.....	.....
Stearine, vegetable—		
Shortening	.....	6,796,000
Oleomargarine	.....	761,000
Hydrogenation	.....	4,940,000
Other edible uses	.....	[2] .....
Other uses	.....	[2] .....
Tallow, edible—	Crude	Refined
Refining	[2]	.....
Fat-splitting	.....	.....
Hydrogenation	917,000	[2] .....
Sulfonation	.....	.....
Shortening	4,970,000	2,825,000
Soap	[2]	.....
Lubricants and greases	.....	.....
Other uses	1,059,000	254,000
Tallow, inedible—	Crude	Refined
Refining	15,182,000	.....
Fat-splitting	15,920,000	.....
Hydrogenation	993,000	[2] .....
Pressing	164,000	.....
Sulfonation	438,000	[2] .....
Shortening	.....	.....
Soap	47,139,000	13,248,000
Lubricants and greases	2,002,000	192,000
Other uses	14,663,000	465,000

Fatty Acids and Acid Stocks

Animal foots—	
Soap	[2] .....
Other uses	[2] .....
Fatty acid stocks, not specified—	
Refining	.....
Fat-splitting	[2] .....
Sulfonation	.....
Soap	543,000
Paint and varnish	53,000
Linoleum and oilcloth	.....
Lubricants and greases	[2] .....
Other uses	155,000
Fish and marine mammal fatty acids—	
Sulfonation	[2] .....
Paint and varnish	[2] .....
Lubricants and greases	89,000
Other uses	336,000
Fish and marine mammal foots—	
All uses	[2] .....
Oleic acid, including white oleic and red oil—	
Sulfonation	218,000
Soap	978,000
Paint and varnish	11,000
Chemicals	686,000
Lubricants and greases	278,000
Other uses	1,340,000
Olive oil foots (including sulfur oil)—	
Soap	204,000
Other stearic acids (over 50% stearic content), high palmitic (over 60% palmitic), hydrogenated animal and vegetable fatty acids—	
Sulfonation	[2] .....
Soap	414,000
Paint and varnish	11,000
Lubricants and greases	439,000
Chemicals	433,000
Other uses	1,560,000
Stearic acid (40-50% stearic content)—	
Sulfonation	[2] .....
Soap	317,000
Paint and varnish	25,000
Lubricants and greases	111,000
Chemicals	798,000
Other uses	2,246,000
Unsaturated animal fatty acids (unhydrogenated), other than oleic—	
Winterizing and pressing	4,456,000
Soap	379,000
Lubricants and greases	285,000
Other uses	216,000
Unsaturated vegetable fatty asids (unhydrogenated)—	
Sulfonation	[2] .....
Hydrogenation	[2] .....
Soap	1,842,000
Paint and varnish	1,383,000
Lubricants and greases	13,000
Chemicals	656,000
Other uses	2,456,000
Vegetable foots—	
Fat-splitting	9,879,000
Soap	3,182,000
Paint and varnish	78,000
Other uses	235,000

[1] Included in "Total of vegetable oil not shown separately, including small quantities for items for which data are not reliable."

[2] Included in materials other than vegetable oils not shown separately, including small quantities for items for which data are not reliable.

[3] Not shown to avoid disclosure of figures for individual companies.

Purdue Pest Control Conference Lined Up

The National Pest Control Association has announced the agenda for the nineteenth annual operators' conference, to be held at Purdue University, Lafayette, Ind., January 31 through February 4.

In the morning of the opening day, Dean H. J. Reed will welcome the gathering, after which the following papers will be presented:—"Insect Structures and Their Relation to Identification and Control," by G. E. Lehker, "The Biology of Insects," by B. E. Montgomery and "Fundamentals of Insect Control," by J. J. Davis. There will be a special refresher course and H. O. Deay will speak on "Sight Recognition of Insects" and W. D. Fitzwater will speak on "Recognition of Common Rodents and Birds." This will be followed by two afternoon sessions at which the following addresses will be delivered:—"Recognition of Insect Damage," by J. V. Osmun, and "Insect Identification," by H. O. Deay.

Papers on Insects

During the daytime session on February 1, the following papers will be presented:—"Identification," H. O. Deay; "Biology and Control of Bees and Wasps," by B. E. Montgomery; "Biology and Control of Clover Mite," by J. V. Osmun; "Biology and Control of Leafhoppers, Thrips, Psyllids and Springtails," by W. K. Deleplane, jr.; "Biology and Control of Box-Elder Bugs, Elm Leaf Beetles, Lady Bird Beetles, Strawberry Weevil and Crickets," by B. G. Berger and J. O. Rowell, and "Biology and Control of Millipedes, Centipedes, Sowbugs and Spiders," by J. D. Mock and Arnold Mallis.

The evening session will hear the presentation of the following papers:—"Weed Control—A PCO Service," by O. C. Lee; "Experience of A Service Operator," by Lee C. Truman and "The National Pest Control Association—Its Origin, Purpose, Organization Activities and Future," by A. E. Ritt.

Sessions on Rodents

On February 2 during the morning there will be two concurrent sessions on "Rodents and Other Animal Pests." W. D. Fitzwater will speak on "The Present Status of Anti-Coagulants," and H. R. Shuyler will have as his topic, "A Report on the Purdue PCO Research Project on Rodent Baits." At another session John T. Emlen will speak on "House Mice: Their Life History and Habits and Relation to

—*Continued on page 56*

Air Pollution Parley, Due In April, Adds Third Day

A third day has been added to the program of the third national air pollution symposium originally announced for April 18 and 19. The meeting will be held April 18 through 20 at the Huntington-Sheraton hotel, Pasadena, Calif. It is expected to draw participation from international scientific and industrial interests in air pollution.

Co-sponsoring the symposium with Stanford Research Institute are California Institute of Technology, University of Southern California, University of California at Los Angeles, Southern California Air Pollution Foundation and the Air Pollution Control Association of Pittsburgh, Pa.

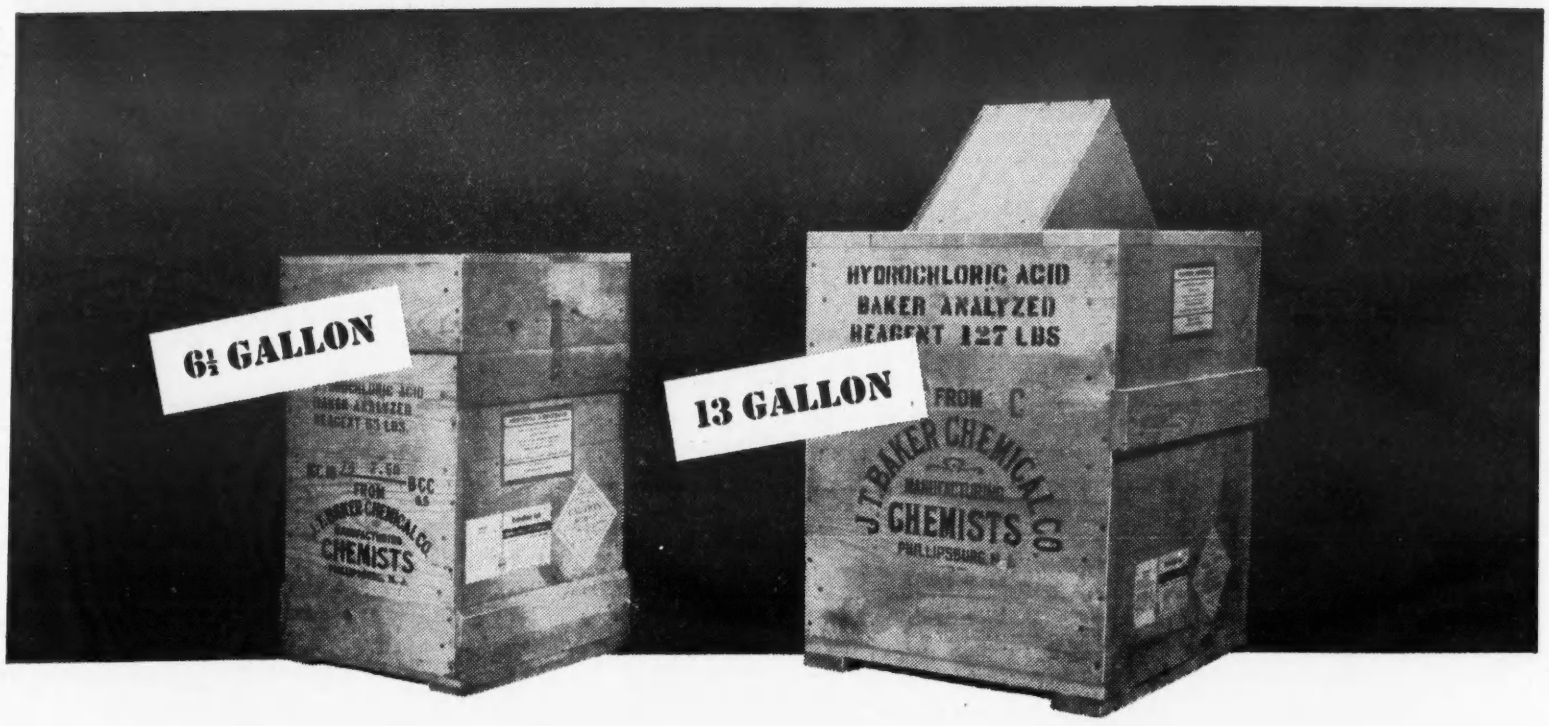
The program will include sessions on "General Aspects of Air Pollution," "Analytical Technics and Instrumentation," "Physiological Effects of Air Pollution on Plants," "Physiological Effects of Air Pollution on Animals" and "Legal Aspects of Air Pollution."

DCAT Luncheon to Hear Marketing Expert's Outlook

The Drug, Chemical and Allied Trades section of the New York Board of Trade will hear Arno H. Johnson, vice-president and director of research of the J. Walter Thompson Company, at its mid-winter luncheon meeting, to be held February 3 at the Waldorf-Astoria hotel, New York. Mr. Johnson's topic will be "A Quick Look at 1955."

Val Weyl Leaves NACA

Val E. Weyl, who edited the official publication of the National Agricultural Chemicals Association—*NAC News and Pesticide Review*—for the past four years, resigned from the association January 1. An entomologist, Mr. Weyl was with the old Bureau of Entomology of the Department of Agriculture and the agricultural chemicals division of Sherwin-Williams Company before taking over the general publicity work of the NACA in February, 1951.



Now-Your choice of carboy size for 'Baker Analyzed' *REAGENT* Acids

. . . if you have ever wished that you could order 'Baker Analyzed' Reagent Acids in a smaller carboy than the 13-gallon size, this will be *good news for you!*

. . . or if you have ever found the 13-gallon size "too hard to handle," this will be *good news for you!*

Baker is pleased to announce that 'Baker Analyzed' Reagent Acids are available in *your choice* of carboy size—13-gallons or 6½-gallons—and that the price per pound is the same in either container.

The new 6½-gallon carboy will be particularly welcome to those who use Reagent Acids in comparatively small quantities or who prefer an easier-to-lift container. Also, the smaller size carboy warehouses more economically.

The 13-gallon size may continue to be preferred by *quantity* users who benefit most from the slightly lower freight cost and labor saving in the handling of fewer carboys.

Whichever carboy size you select, the *quality* of 'Baker Analyzed' Reagent Acids will always remain *good news for you.* And the actual lot analysis shown on each 'Baker Analyzed' Label will continue to be the time-saving, labor-saving tool it has always been.

Specify the carboy size you need . . . but be sure to specify *Baker!*

J. T. Baker Chemical Co.
Executive Offices & Plant, Phillipsburg, N. J.

Which carboy size for you?

6½-GALLON
One-man handling
Screw type closure
Lowest space requirement per lb. of acid
Easier stacking

13-GALLON
Lowest freight cost
Fewer individual units to be handled

The acid price per pound is the same in either container

	6½-GALLON				13-GALLON			
	Net Weight*	Gross Weight*	RATIO	Gross to Net	Net Weight*	Gross Weight*	RATIO	Gross to Net
Acetic Acid, Glacial	55	95	1.73		112	187	1.67	
Hydrochloric Acid	65	105	1.62		127	202	1.59	
Nitric Acid	75	115	1.53		150	225	1.50	
Sulfuric Acid	95	135	1.42		190	265	1.39	
Ammonium Hydroxide	45	85	1.89		95	170	1.79	

*in lbs.

Baker CHEMICAL

Baker Chemicals
REAGENT • FINE • INDUSTRIAL

Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, January 14 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).
Acenaphthene, below 92.5 C., m.p., dms. works lb. .40 - —
above 92.5 C., m.p., bbls., dms., works lb. .41 - .50
Acetaldehyde, 99%, dms., c.l., frt. equald lb. .1250- .1435
l.c.l. frt. equald lb. .1350- .1535
tanks, frt equald lb. .1050- .1300
Acetaldol (see Aldol).
Acetanilide, tech., bbls., c.l., dlvd. lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .30½- —
USP, bbls., 2,000-lb. lots lb. .80 - —
smaller lots lb. .81 - .86
Acetic anhydride, dms., c.l., dlvd. E. lb. .15½- —
l.c.l., dlvd. E lb. .17 - —
tanks, dlvd. E lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .81 - —
Acetoacet-o-chloroanilide, fib., dms., c.l., dlvd. lb. 1.35 - —
l.c.l., dlvd lb. 1.36 - —
Acetoacet-o-toluidide, fib. dms., c.l., dlvd. lb. .82 - —
l.c.l., dlvd lb. .83 - —
Acetone, CP, dms., c.l., dlvd. lb. .09½- —
l.c.l., dlvd. lb. .10½- —
tanks, dlvd. lb. .07½- —
Methyl (see M)
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.17 - 1.19
Acetophenone cns., dms lb. 1.21 - 1.85
tech., dms., l.c.l., works lb. .75 - —
N-Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85
Acetyltributyl citrate tech. dms., c.l., works lb. .33½- —
l.c.l., works lb. .34½- .38½
tanks, works lb. .32 - —
Acetyltriethyl citrate, tech., dms., c.l., works lb. .37½- —
l.c.l., works lb. .38½- —
tanks, works lb. .36 - —
Acid, abietic, coml., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490- —
cryst., dms. c.l., works lb. .06½- —
l.c.l., works lb. .07 - .07½
Acetic, coml., or redist., 28%, bbls. 100 lbs. 4.80 - —
56%, bbls 100 lbs. 8.25 - —
70%, bbls 100 lbs. 9.95 - —
80%, bbls 100 lbs. 10.45 - —
glacial, syn., CP, dms., dlvd. 100 lbs. 15.00 - 16.00
tech., dms., c.l., dlvd 100 lbs. 12.00 - —
l.c.l., same basis 100 lbs. 13.00 - —
tanks, dlvd 100 lbs. 10.00 - —
USP chys., inclusive, dlvd., 100 lbs. 24.00 - 25.00
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP special, bbls., 1,000-lb. lots, makers, primary distrib., point of shipt lb. .63 - —
standard, fine, cryst., gran., (30-40 mesh) powd., (80 mesh), bbls., 1,000-lb. lots, lb. .58 - .60

Freight equald, shipt. identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd lb. .37¾- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
p-Aminobenzoic, tech., dms., works lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 2.50 - —
smaller lots, works lb. 2.55 - 2.60
p-Aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb. 4.05 - 4.50
Anthranilic, bbls., frt equald lb. 1.21 - —
Arsenous, tech., (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic USP dms., 25-50 kilo lots, kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
bots. 1-kilo lots kilo. 17.00 - —
500-gram lots kilo. 17.50 - —
Battery chys. c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45
Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls. dms. 100-lb. lots or more lb. .54 - —
Betahydroxynaphthoic (see Acid, b-Oxynaphthoic).
Betaoxynaphthoic (see Acid, b-Oxynaphthoic).
Boric, tech. 99½%, cryst., bgs., c.l., works ton. 124.25 - —
ton lots, ex whse., N. Y. or Chi ton. 172.00 - —
smaller lots, same basis, ton. 177.00 - —
bbls., c.l., works ton. 148.75 - —
ton lots, ex whse., N. Y. or Chi ton. 196.50 - —
smaller lots, same basis, ton. 201.50 - —
gran., bgs., c.l., works ton. 99.25 - —
ton lots, ex whse., N. Y. or Chi ton. 147.00 - —
smaller lots, same basis, ton. 152.00 - —
bbls., c.l., works ton. 123.75 - —
ton lots, ex whse., N. Y. or Chi ton. 171.50 - —
smaller lots, same basis, ton. 176.50 - —
bulk, c.l., works ton. 94.25 - —
Acid, boric, tech., powd., bgs., c.l., works ton. 104.25 - —
ton lots, ex whse., N. Y. or Chi ton. 152.00 - —
smaller lots same basis, ton 157.00 - —
bbls., c.l., works ton. 128.75 - —
ton lots, ex whse., N. Y. or Chi ton. 176.50 - —
smaller lots same basis, ton 181.50 - —

Boric acid in kegs $45.50 per ton higher than in paper bgs. USP boric acid $25 per ton higher.

Broenners, bbls lb. 1.76 - —
Butyric, 99%, dms., c.l., works, lb. .34 - —
l.c.l., works lb. .34½- —
tanks, works lb. .32½- —
Cacodylic, bots lb. 10.50 - 13.00
Camphoric, nat., dms lb. 4.00 - 4.75
syn., dms. lb. 4.00 - 4.75
Capric, dms lb. .23¾- .25½
Caprylic, dms lb. .23¾- .25½
Cassella, dms., frt. alld., 100% basis lb. 1.44 - 1.75
Castor oil, split, dms lb. .35½- .36
Chicago, bbls. frt alld lb. 3.21 - —
Chloroacetic, mono-, purif., flake, 99%, dms lb. .23½- .25½
tech., flake, 96-97%, frt. equald, dms lb. .20 - .21
o-Chlorobenzoic, fib. dms., works lb. 1.13 - —
p-Chlorobenzoic, fib. dms., works lb. 1.59 - 1.62
Chlorosulfonic, dms., c.l., frt. equald lb. .0465- —
l.c.l., frt. equald lb. .0515- —
tanks, frt. equald lb. .0415- —
Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.
Cholic, 100-lb. lots, fib. dms. lb. 6.00 - 6.25
Chromic 99¾%, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - .29
NF (see Chromium trioxide).
Cinnamic, refd., bots lb. 2.50 - 3.50
Citric, USP, anhyd., gran., fine gran. dms., c.l. lb. .28¾- —
10,000-lb. lots, 1 shipt. lb. .29¼- —
smaller lots lb. .29¾- .31¼
hydrous, gran., fine gran., dms. c.l lb. .27 - —
10,000-lb. lots, 1 shipt. lb. .27½- —
smaller lots lb. .28 - .29¼
Powdered citric acid ½c. higher.
Cleve's, mixed bbls lb. .79 - —
Coconut oil, dist., dms lb. .24¼- .26
tanks lb. .22½- —
dbl. dist., dms lb. .25 - .26¾
tanks lb. .23¼- —
Corn oil, dist., dms lb. .15 - .1675
tanks lb. .1325- —
Cottonseed oil, dist., dms lb. .1450- .1625
tanks lb. .1275- —
2,3-Cresotic, dms., ton lots, works. lb. .66 - —
smaller lots lb. 1.82 - 2.00
Cresylic, coaltar, dom., 50% 207° C or above, ret. dms. c.l., frt. equald gal. .98 - —
l.c.l., same basis gal. 1.03 - —
non-ret., dms. c.l., same basis gal. 1.01 - —
l.c.l. same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
204° to 207° C., ret., dms., c.l., same basis gal. 1.03 - —
l.c.l., same basis gal. 1.08 - —
non-ret., dms. c.l. same basis gal. 1.06 - —
l.c.l., same basis gal. 1.09 - —
tanks, same basis gal. .95 - —
imp. 75% at 215° C. or over, dms. ex whse gal. .75 - .90
petroleum, dom., 195° to 213° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal .73 - .75
tanks, same basis gal. .58 - —
200° C. to 222° C., tanks, Wilmington, Cal gal. .58 - .63
211° C. to 236° C., non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C. to 242° C., tanks, Wilmington, Cal gal. .50 - .53
245° C. to 298° C., tanks, Wilmington, Cal gal. .46 - —
Crotonic, fib. dms., 200 lbs. or more, works lb. .50 - —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Dehydrocholic, injection, fib dms. 100-lb. lots lb. 14.75 - —
oral, fib. dms., 100-lb. lots lb. 10.25 - —
Desoxycholic, fib. dms. 100-lb. lots. lb. 15.00 - —
Dichlorophenoxyacetic (see under D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .14 - —
Acid, 2-ethyl hexoic, dms., c.l., works lb. .35½- —
l.c.l., works lb. .37½- —
tanks, works lb. .34½- —
F, crude, paste, bbls., works lb. 2.10 - —
Folic, bots, fib cns kilo lots or more gram. 1.40 - —
Formic, 85%, cbys., c.l., works lb. .1570- —
l.c.l., works lb. .1620- .1720
90%, cbys., c.l., works lb. .1625- —
l.c.l. works lb. .1675- .1775
Fumaric, tech., bgs., dms lb. .27 - .28
Gallic, NF VII, bbls., 1,000-lb. lots lb. 1.80 - —
smaller lots lb. 1.32 - 2.00
tech., bbls., 1,000-lb. lots lb. 1.58 - —
smaller lots lb. 1.69 - 1.70
Gamma, dry, grd., bbls., frt. alld. lb. 1.50 - —
paste, bbls., frt alld lb. 1.45 - —
Gentisic, 100-lb. fib. dms. lb. 8.50 - —
Gluconic, tech., 50% bots lb. .25 - .33
cbys. lb. .19 - —
dms. lb. .15½- —
l-Glutamic, 99½% fib. dms., 100 lb. lots, works lb. 2.45 - 2.53
25-lb. lots, works lb. 2.54 - 2.60
Glycerophosphoric, 35%, dms., works lb. 2.25 - 2.35
Glycolic (see Acid hydroxyacetic).
H, dry, bbls., works, 100% basis, lb. .82 - —
paste, bbls., works, 100% basis, lb. .80 - —
Hydriodic, 1.50 s.g., cbys lb. 2.94 - —
1.70 s.g., cbys lb. 3.23 - —
Hydrobromic, medicinal, 48%, cbys., dlvd E lb .37 - .43
Hydrochloric, anhyd. (see Hydrogen chloride).
18° cbys., c.l., works 100 lbs. 2.50 - —
l.c.l., dlvd Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt equald ton 28.00 - —
20°, cbys., c.l., works 100 lbs. 2.75 - —
l.c.l., dlvd Metropolitan area 100 lbs. 3.15 - 4.00
tanks, works, frt equald ton 30.00 - —
22°, cbys., c.l., works 100 lbs. 3.25 - —
l.c.l. dlvd Metropolitan area 100 lbs. 3.65 - 4.50
tanks, works, frt. equald ton 35.00 - —
CP, USP, consumers, cbys., extra c.l. works lb. .11¾- —
l.c.l., same basis lb. 13¼- .13¾
5-pint bots., extra, cs., c.l., same basis lb. 16¾ —
l.c.l., same basis lb. .18¼- .19¼

Acid, hydrochloric, CP, USP prices to dealers 1½c per lb less.

Hydrocyanic, cyls., frt. alld lb. .75 .93
dilute NF 2% 5-lb bots lb .40 —
Hydrofluoric, anhyd. (see Hydrogen fluoride).
tanks, works lb. .21 - —
70%, steel dms., works lb. .18½- .22¼
Hydrofluosilicic, basis 30%, dms., works lb. .06 - —
Hydroxyacetic, tech., 70%, non-ret. bbls., Phila., 100% basis lb. .136 - —
tanks, Belle, W. Va., 100% basis lb. .095 - —
Hypophosphorus, purif., 50%, cbys lb. 1.30 1.32
USP, cbys lb .88 —
Isonicotinic, 100 lb fib dms, works lb. 5.00 - —

Hydrazide (see Isoniazid).

J, bbls., works, 100% basis lb. 2.50 - 2.85
Koch, bbls., frt. alld lb. .64 - .70
L, bbls., works lb. 1.25 - —
Lactic, edible, 50%, bbls., 20 or more lb. .20 - —
smaller lots lb. .205 - .21
80%, bbls., 5 or more lb. .324 - —
smaller lots lb. .369 - .3699
USP, 85%, cbys lb. .88 - —
plastic grade, 50%, bbls., 20 or more, works lb. .2175- —
1 to 19 lb. .2225- —
80%, bbls., 5 or more lb. .3815- .3818
tech., 22%, bbls., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs 6.70 - —
cbys., l.c.l., works 100 lbs. 12.20 - —
44%, bbls., c.l., works 100 lbs. 11.95 - 11.98
l.c.l., works 100 lbs. 12.35 - 12.50
Laurent's, bbls lb. .60 - —
Lauric, 90%, dms lb. .35¼- .37
Linseed oil, dist., dms lb. .2025- —
w. w., dms lb. .2325- —
Maleic, cryst., powd., dms lb. .37 - .38
Malic, tech., dms lb. .50 - —
Mandelic, NF, dms., 1,000-lb. lots, lb. 2.35 - —
smaller lots lb. 2.40 - 2.50
Metanilic, dms., works lb. .57 - .75
Methacrylic, glacial, 98%, dms., truckloads, works lb. .54½- —
smaller lots, works lb. .55 - —
Molybdic, 85-92%, dms., works lb. 1.32 - —
Monochloroacetic, purif. (see Acid, Chloroacetic mono-).
Muriatic (see Acid, hydrochloric).
Myristic, dms lb. .28 - .29¼
Naphthenic, 220-230 acidity, dms., works lb. .13¼- —
tanks, works lb. .11¼- —
Naphthol (1)-4-sulfonic (see Acid Neville and Winthers)
Naphthol(1)-5-sulfonic (see Acid, L).
Naphthol(1)5-sulfonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulfonic,8-amino (see Acid H).
Naphthol(2)-6,8-disulfonic (see Acid, Gamma)
(5)-7-Sulfonic,2-amino (see Acid, J).
Naphtholsulfonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulfonic (see Acid, Laurent's).
(2)-6-sulfonic (see Acid, Broenner's).
(2)-7-sulfonic (see Acid, F).
(2)-1-sulfonic (see Acid, Tobias).

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	NNR	New and Nonofficial Remedies
amorph.	amorphous	djns.	demijohns	No.	number
AMP	American melting point	dlvd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	o-	ortho
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
artif.	artificial	E.	east	oz.	ounce
ASTM	American Society for Testing Materials	e.p.	end point	p-	para
		equald.	equalized	Pac.	Pacific
Atl.	Atlantic	exp.	expressed	pf.	proof
		F.	fahrenheit	phos.	phosphate
Be.	Baume	ferment.	fermentation	photo.	photographic
bbls.	barrels	f.f.a.	free fatty acid	pkgs.	packages
bgs.	bags	f.f.c.	free from chlorine	powd.	powdered
bls.	bales	fib.	fiber	precip.	precipitated
bots.	bottles	f.o.b.	free on board	prod.	producer
b.p.	boiling point	f.p.a.	free of prussic acid	pt.	point
b.p.l.	bone phosphate of lime	frt.	freight	pulv.	pulverized
b.r.	boiling range	gal.	gallon	purif.	purified
bxs.	boxes	gran.	granular	redist.	redistilled
C.	centigrade	grd.	ground	refd.	refined
cbys.	carboys	i.&a.	iron and aluminum	refy.	refinery
CD	completely denatured	i.b.p.	initial boiling point	reg.	regular
c.i.f.	cost, insurance, freight	imp.	imported	resub.	resublimed
		incl.	included	ret.	returnable
cks.	casks	indust.	industrial	SD	specially denatured
c.l.	carlots	kgs.	kegs	s.d.	single distilled
cns.	cans	l-	laevo	S. E.	southeast
coml.	commercial	lacq.	lacquer	sec.	secondary
conc.	concentrated	lb.	pound	secs.	seconds
CP	chemically pure	l.c.l.	less than carlots	s.g.	specific gravity
cps.	centipoises	liq.	liquid	shipt.	shipment
cryst.	crystal	m-	meta	soln.	solution
cs.	cases	m.a.p.	mixed aniline point	s.u.	standard unit
ctns.	cartons	min.	minimum	syn.	synthetic
cyls.	cylinders	m.p.	melting point	tanks.	railroad tankcars
d-	dextro	N-	nitrogen	tech.	technical
dbl.	double	n-	normal	tert-	tertiary
denat.	denatured	nat.	natural	t.l.	truck loads
dest-dist.	destructive-distilled	neut.	neutral	t.w.	tank wagons
dl-dist.	dextro-laevo distilled	NF	National Formulary	USP	U. S. Pharmacopoeia
				vis.	viscosity
				VM&P	varnish makers & painters
				W.	west
				whse.	warehouse
				w. w.	water-white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Nevile and Winther's—Alcohol, Ethyl, 190 Pf.

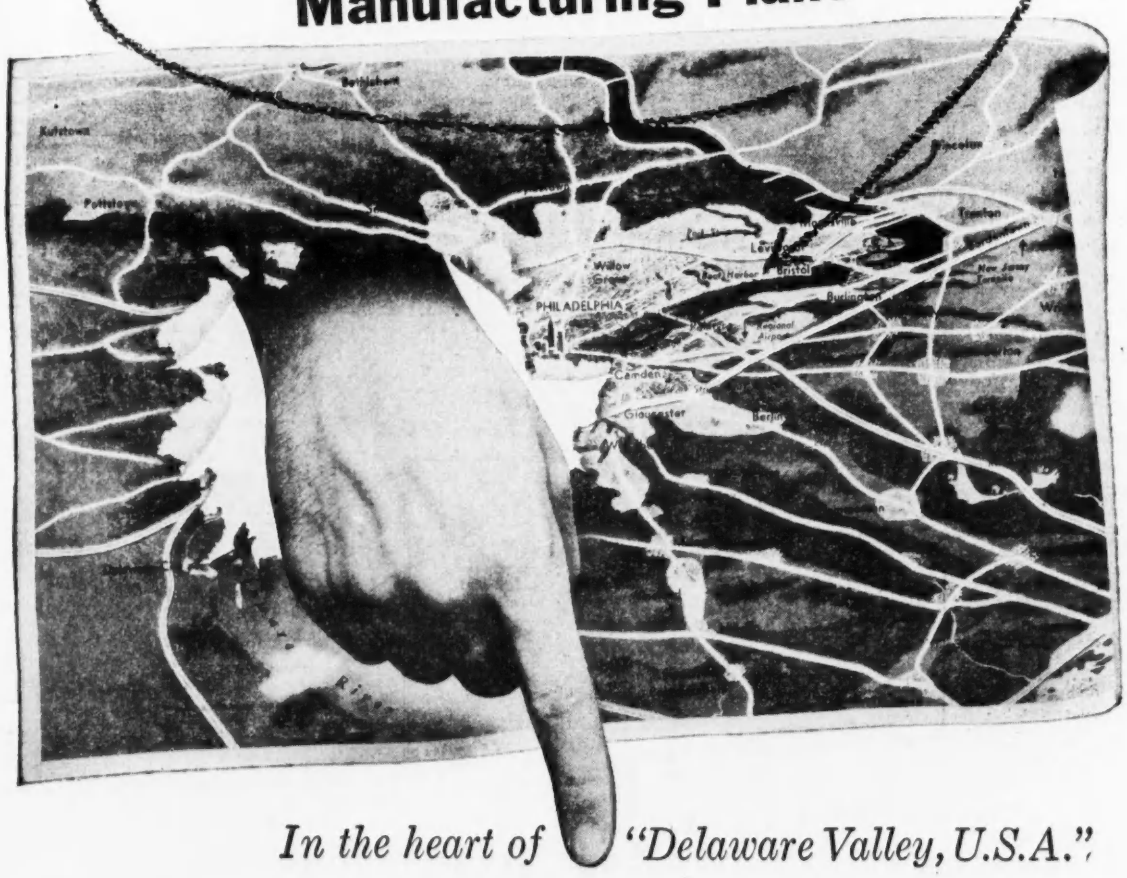
Acid, Nevile and Winther's, dms., frt. alld lb 1.20 - —
Nicotinic USP, dms. frt adjust- qu ntity 9.00 9.30
Amide, USP (see Nicotinamide)
Nitric 36° Be chys. c.l., works, E 100 lbs. 5.75 - —
l.c.l., works, E 100 lbs. 6.05 6.85
38° Be chys. c.l., work E 100 lbs. 6.25 - —
l.c.l., works, E 100 lbs. 6.55 - 7.35
40° Be. chys. c.l. works, E 100 lbs. 6.75 - —
l.c.l., works, E 100 lbs. 7.05 - 7.85
42° Be chys. c.l., work E 100 lbs. 7.25 - —
l.c.l., works, E 100 lbs. 7.55 - 8.35
58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.90 - —
CP NF consumers chys. extra c.l., works lb. .13½ - —
l.c.l., same basis lb. .15 - .15½
5 pint bottles extra, cs., c.l., same basis lb. .17½ - —
l.c.l. same basis lb. .19 - .25
p-Nitrobenzoic, dms., c.l., works lb. .72 - —
l.c.l., works lb. .73 - —
Oleic, s.d., dms lb. .1725- .19
tanks lb. .1550- —
dbl. dist., (white), dms lb. .1975- .2150
tanks lb. .1800- —
Oleum (see Acid, sulfuric, fuming)
Orthochlorobenzoic (see Acid, o-Chlorobenzoic).
Orthocresotinic (see Acid, 2,3-Cresotic).
Oxalic, bbls., c.l., works lb. .16½ - —
10,000-lb lots works lb. .16¾ - —
smaller lots, works lb. .17¾ - —

Acid, b-oxynaphthoic, bbls., works. lb. 1.14 - —
Palm oil, dbl. dist., dms lb. .14 - .15¾
Para-aminobenzoic (see Acid, p-Aminobenzoic).
Para-aminosalicylic (see Acid, p-Aminosalicylic).
Parachlorobenzoic (see Acid, p-Chlorobenzoic)
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic (see Acid, p-Nitrobenzoic)
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)
Phenylacetic, pure, cryst. cns. lb 75 - 1.70
Phenylcinchoninic (see Cinchophen).
Phenylglycolic (see Acid, mandelic).
Phosphoric, food grade, 75%, chys. c.l., works 100 lbs. 7.30 - —
l.c.l., works 100 lbs. 7.80 - 8.30
tanks, works 100 lbs. 5.10 - —
NF 85%, chys., c.l., works lb. .08½ - —
l.c.l. works lb. .09 - .09½
Picric, NF, bbls. lb. .60 - —
tech., bbls. lb. .34 - .35
Propionic, syn., pure, dms., c.l., works lb. .21 - —
l.c.l., works lb. .22 - —
tanks, works lb. .19 - —
Pyrogallic, NF, (see Pyrogallol). tech., bbls lb. 2.76 - 2.99
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb. 3.25 - —
Salicylic, crude, fib. dms lb. .37 - —
sublimed, tech., fib. dms., c.l. lb. .39 - —
l.c.l. lb. .46 - —
dyestuffs grade, fib. dms lb. .41 - —
USP, cryst., fib dms lb. .43 - —
powd., fib. dms lb. .53 - —
Sebacic, purif., dms., c.l., works. lb. .64 - —
l.c.l., works lb. .66 - .70

Acid, soybean oil, dbl. dist., dms lb. .1725- .1950
tanks lb. .1550- —
s. d., dms lb. .1575- .1750
tanks lb. .14 - —
Stearic, dbl. pressed, bgs lb. .1425- .1600
single pressed, bgs lb. .1375- .1550
triple-pressed, bgs lb. .1650- .1825
Succinic, purif., cryst., bbls., works lb. .62 - .75
Sulfanilic, tech., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld lb. .21 - —
Sulfuric, 60° Be chys. c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
tanks works ton 18.60 - —
66° Be, chys., c.l., works 100 lbs. 2.25 - —
l.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton 22.35 - —
98%, tanks, works ton 23.50 - —
99-100%, tanks, works ton 23.95 - —
CP, NF, consumers chys. extra, c.l., works frt. equald lb. .09¾ - —
l.c.l., same basis lb. .11¼ - .11¾
5 pt. bots., extra cs., c.l., works frt equald lb. .13¼ - —
l.c.l. same basis lb. .14¾ - .20¾
oleum, 20%, tanks works ton 25.00 - —
40% tanks, works ton 29.00 - —
65% tanks works ton 39.50 - —
Tallow, dist., dms lb. .14 - .1575
hydrogenated, bgs. lb. .1325- .1550
Tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.65 - 1.76
powd., bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots lb. 1.51 - 1.69
tech., dms lb. .93 - —

Acid, tartaric, USP, dom., 230 or 250-lb. dms., c.l. lb. .41 - —
10,000-lb. lots, 1 shipt. lb. .41½ - —
smaller lots lb. .42 - —
100-lb. dms lb. .43 - —
small dms lb. .45 - .51
imp., bgs lb. .36½ Nom.
Thioglycolic, refd., cbys., 100% basis lb. 1.80 - 1.86
Tobias, bbls., frt. alld lb. .74 - —
Toluenesulfonic, dms., c.l., works, lb. .16 - —
l.c.l., works lb. .17½ - —
p-Toluidine-m-sulfonic, bbls., works lb. .92 1.04
Trichloroacetic, bots. lb. 2.00 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5T)
Tungstic, tech., kgs., works lb. 4.25 - —
Undecylenic, dms lb. 1.40 - —
Aconite root, bls lb. 50 .55
Aconitine, cryst., potent, bots oz. 78.00 -85.00
Acrolein, tech., dms., c.l., works. lb. .47 - —
l.c.l., works lb. .47½ - —
Acrylonitrile, dms., c.l., works lb. .33 - —
l.c.l., works lb. .34 - —
tanks, works lb. .31 - —
ACTH, cryst., bulk, 1,000 units/gram. bots gram 15.00 - —
Adeps lanae (see Lanolin)
Adrenocorticotropic hormone (see ACTH).
Agar, USP Kobe No. 1, strip. bls. lb. 2.90 - 3.10
powdered, 30 mesh fin., dms lb. 3.40 - 3.50
dl-Alanine dms., works lb 8.50 -11.00
Albumin, blood, dark (see Blood, dried, soluble).
lgn., dms c.l. lb. 65 .90
Egg, edible, flake, bbls lb. 1.30 - 1.33
powd., bbls. lb. 1.35 - 1.37
tech., cryst., bbls lb. .85 - .87
Alcohol, allyl, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks dlvd lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, refd.)
ferment., refd., 128°-132°C., dms., l.c.l., dlvd lb. .43 - —
ACS grade dms c.l., dlvd lb. .45 - —
ex-pentane, mixed, amyls, dms., c.l., frt. alld lb. .17 - —
l.c.l., frt. alld lb. .18 - —
tanks, frt. alld lb. .15 - —
primary, dms., c.l., frt. alld. lb. .19¼ - —
l.c.l., frt. alld lb. .20¼ - —
tanks, frt. alld lb. .17¼ - —
sec-synthetic, dms., c.l., frt. alld., works lb. .18 - —
l.c.l., works lb. .19 - —
tanks, works lb. .16 - —
tert-synthetic, dms., c.l., frt. alld. E lb. .17 - —
l.c.l., frt. alld. E lb. .18 - —
tanks, frt. alld. E lb. .15 - —
1-pentanol, (syn. normal), dms., c.l., works lb. .42 - —
l.c.l., works lb. .43½ - —
tanks, works lb. .40 - —
2-pentanol, dms., c.l., works lb. .65 - —
l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Benzyl, NF, dms lb. .64 - .79
tech., dms., dlvd lb. .47½ - .49
n-Butyl, ferment., dms., l.c., frt. alld lb. .15 - —
l.c.l., frt. alld lb. .16 - —
tanks, frt. alld lb. .13 - —
n-synthetic, dms., c.l., dlvd. lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
sec-synthetic, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
tert-synthetic, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, works lb. .12 - —
Capryl, 85%, dms., c.l., works lb. .18 - —
l.c.l. works lb. .18½ - —
tanks, works lb. .16½ - —
95%, dms., c.l., works lb. .19½ - —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Cetyl, extra fin. cns., 500-lb lots or more lb. .73 - —
smaller lots lb. .80 - 1.15
NF, fib. cns. 140-lb lots or more lb. .58 - .82
smaller lots lb. .59 - .82
Cinnamic, bots lb. 2.15 - 2.75
Decyl, bots lb. 1.75 - 2.00
indust. (see 1-Decanol).
Denat., CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies gal. .54½ - —
l.c.l., same basis, gal. .59½ - .65¼
tanks, dlvd. same basis, gal. .41½ - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
SD1, dms., c.l., dlvd. E. of Rockies gal. .55½ - —
l.c.l., same basis gal. .60½ - .66¼
tanks, same basis gal. .42½ - —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis gal. .59 - .65
tanks, same basis gal. .41 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
SD23A, dms., c.l., dlvd. E. of Rockies gal. .55½ - —
l.c.l., same basis gal. .60½ - .66¼
tanks, same basis gal. .42½ - —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .54½ - —
l.c.l., same basis gal. .59½ - .65¼
tanks, same basis gal. .41½ - —
SD30, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
SD35A, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
SD40, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis gal. .59 - .65
tanks, same basis gal. .41 - —
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon and Washington, where a 5c. differential on tankcars is maintained.
Diacetone, acetone-free, dms., c.l., dlvd. lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13½ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .11½ - —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies. gal. 20.48 - —
l.c.l., same basis gal. 20.53 - 20.59
tanks, same basis gal. 20.35 - —
tax free, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —

Productions from Cornwell's Manufacturing Plant



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Sulphuric Acid 60° 66° 98%
Electrolyte Acids—all strengths
Oleums 10% 20% 25% 65%
Muriatic Acid 20°
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Phenol Sulphonic Acid
Acetic Acid
Pickling Acids
Inhibited Sulphuric, Muriatic Acids
Mixed Acids (Nitric-Sulphuric)

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SALES OFFICES . . . Philadelphia, Pa.—Orchard 3-2088 744 Broad Street, Newark, N. J.—Market 4-2776
Cornwells Heights, Pa.—Orchard 3-2077

Alcohol, ethyl, absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies gal. 21.58 - —
l.c.l., same basis gal. 21.63 - 21.69
tanks, same basis gal. 21.45 - —
2-Ethylbutyl, dms., c.l., works lb. .29½ - —
c.l. works lb. .30 - —
tanks, works lb. .28 - —
2-Ethylhexyl, dms., c.l., dlvd. E lb. .23¾ - —
c.l., same basis lb. .24¾ - —
tanks, same basis lb. .21¾ - —
Furfuryl, cns., works lb. .29 - —
dms., c.l., Cedar Rapids, Ia lb. .21 - —
Newark, N. J. lb. .21½ - —
l.c.l. Cedar Rapids, Ia lb. .22 - —
Newark, N. J lb. .22½ - —
tanks, Memphis, Tenn lb. .184 - —
Isoamyl (see Alcohol, amyl, fermentation refined)
Isobutyl, dms., c.l., dlvd lb. .14 - —
l.c.l. dlvd lb. .15 - —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., dlvd. E lb. .23 - —
l.c.l., dlvd. E lb. .24 - —
tanks, dlvd. E lb. .21 - —
Isopropyl, refd., 91%, dms., c.l., dlvd gal. .48 - —
l.c.l., dlvd gal. .55 - —
tanks, dlvd. gal. .35 - —
95% dms., c.l., dlvd gal. .50 - —
l.c.l., dlvd gal. .57 - —
tanks, dlvd gal. .37 - —
99%, dms., c.l., dlvd gal. .52 - —
l.c.l., dlvd gal. .59 - —
tanks, dlvd gal. .39 - —
Lauryl, bots. lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots lb. 1.75 - 3.25
tech. (see Octanol, normal).
2-Phenylethyl, extra, dms lb. 1.14 - 1.45
standard, dms. lb. 1.26 - 1.35
n-Propyl, dms., c.l., dlvd lb. .12 - —
c.l. dlvd lb. .13 - —
tanks, dlvd lb. .10 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Iowa lb. .54 - —
dms., c.l., Niagara Falls, N. Y. lb. 44½ - —
l.c.l., Newark, N. J., Cedar Rapids, Ia lb. .47 - —
tanks, Niagara Falls, N. Y lb. .43 - —
Indust grade, dms., c.l., Niagara Falls, N. Y lb. .305 - —
l.c.l., Newark, N. J., Cedar Rapids, Ia lb. .33 - —
tanks, Niagara Falls, N. Y. lb. .29 - —
Wood (see Methanol)
Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —
Aldrin, 60% soln., dms., c.l., works, frt. alld lb. .538 - —
l.c.l., works, frt. alld lb. .588 - —
Aletris root, bgs lb. 1.75 - 1.85
Algin (see Sodium alginate).
Allethrin, 100%, dms., frt. alld lb. 32.00 - —
90%, dms., frt alld lb. 28.50 - —
soln., 20%, dms., 100-lb. lots, frt. alld lb. 6.50 - —
2½%, dms., frt. alld lb. .90 - 1.25
Allspice (see Pimento).
Allyl bromide, cbys., works lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd lb. .17 - —
l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .15 - —
Starch, solid, dms., works lb. .52¾ - .54¾
solution, 40%, toluol-butanol, dms., works lb. 25½ .26¼
Aloe, Cape, cs lb. .40 - —
powd., cs. lb. .50 - —
Curacao kgs. lb. .50 - .55
Socotrine, kgs lb. No prices
Alum, USP, bbls., dms., kgs lb. 3.75 3.82
Alphanaphthol (see a-Naphthol)
Alphanaphthylamine (see a-Naphthylamine)
Alphanitronaphthalene (see a-Nitronaphthalene).
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).
Alum, ammonium, gran., bgs., works 100 lbs. 4.30 - —
lump, dms., works 100 lbs 5.05 - —
powd. dms., works 100 lbs 5.20 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms. lb. .07¾ - .08
Potassium, gran., bgs., works. 100 lbs. 4.55 - —
lump, dms., works 100 lbs. 5.30 - —
powd., dms., works 100 lbs. 5.45 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾ - .08
Potash-chrome, dms lb. .17 - —
Sodium, dms., c.l., works 100 lbs. 4.60 - —
l.c.l. works 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0385 - —
l.c.l., works lb. .0410 - .0510
Aluminum acetate, basic soln., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, coml., anhyd., dms., c.l., works, frt. equald lb. .13 - —
l.c.l., works, frt. equald. lb. .1550 - —
cryst., dms., c.l., works lb. .1450 - —
l.c.l., works lb. .1500 - —
soln., 32°, cbys., c.l., works lb. .0445 - —
l.c.l., works lb. .0520 - .1295
tanks, works 100 lbs. 3.45 - —
NF, gran., dms., works lb. .29 - .31
Fluoride, tech., anhyd., bgs., c.l., works lb. .1575 - —
l.c.l., works lb. .1678 - .1875
Aluminum fluoride in fib. dms. 0.5c. per lb. higher.
Formate, basic soln., cbys lb. .09½ - —
l.c.l., works lb. .10 - —
Hydrate, heavy bgs., c.l., frt. equald lb. .028 - —
l.c.l., works lb. .0305 - .0405
light bgs. dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3 fib dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3 fib dms., works lb. .19 - —
contract, works lb. .18 - —
dried, USP, XIV, fib., dms., works lb. .82½ - —
contract, works lb. 79½ - —
tech., powder (see Aluminum hydrate).
Metal, 99%+, ingots, 10,000-lb. lots, frt. alld lb. .222 - —
pigs, 10,000-lb. lots, frt. alld. lb. .205 - —
Oxide, amorpaous (see Alumina, calcined).
Paste lining, extra-fine, dms lb. .63½ - —
standard, 200-lb. dms lb. .43 - —
Powder lining extra fine, dms lb. 1.02½ - —
standard, 250-lb. dms lb. .72 - —

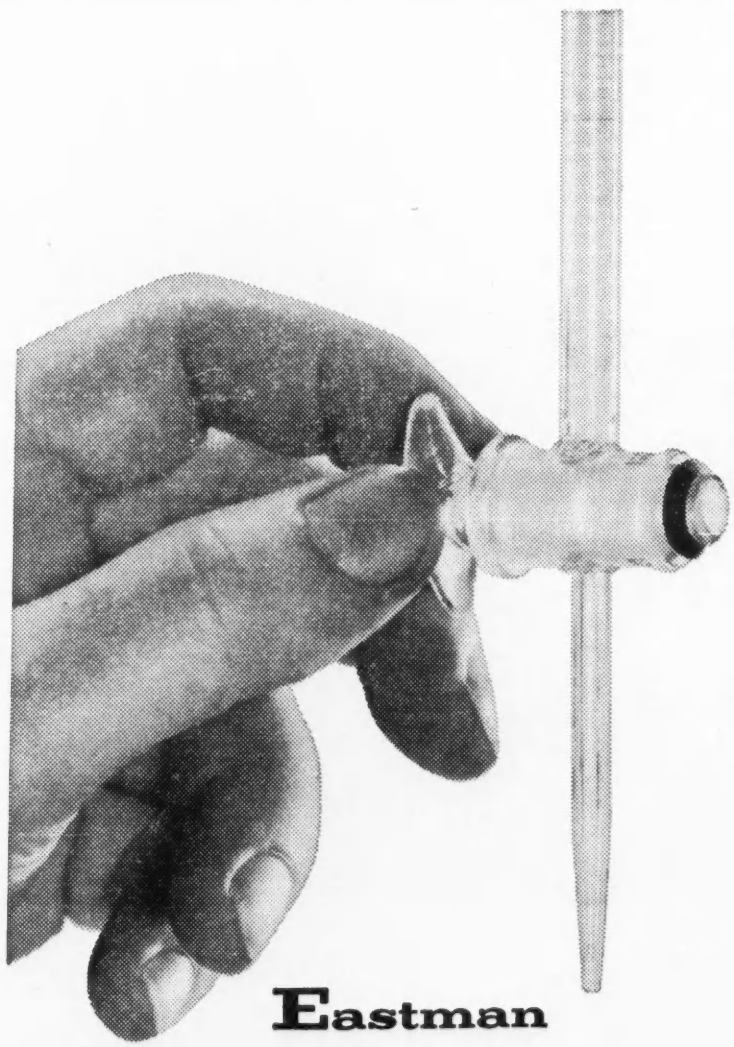
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c per lb for 100-lb dm., 1½c per lb for 50-lb dm. 3c per lb. for 10-lb. can and 5c to 12c per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs. 2c for 1,500 to 4,999 lbs. 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs or over

Resinate, precip., 2.1% Al, dms., frt. alld lb. .30 - —
Stearate, dibasic, ctns., c.l lb. .33 - —
l.c.l. lb. .34 - .37
monobasic, ctns., c.l lb. .33 - —
l.c.l. lb. .34 - .37
tribasic, ctns., c.l lb. .33 - —
l.c.l. lb. .34 - .37

Aluminum sulfate, coml., bulk., c.l., works 100 lbs. 1.85 - —
grd., bgs., c.l., works ton. 37.00 - —
lump, bgs., c.l., works ton. 40.00 - —
iron-free, bgs., c.l., works., frt. equald 100 lbs. 3.55 - —
l.c.l., works, frt. equald 100 lbs. 3.95 - —
USP, gran., dms., works lb. .16 - 18
powd., dms., works lb. .22 - .24
Trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray bots oz. 8.90 - 10.00
Aminoazotoluene, base, bbls., 100% basis lb. 1.03 - 1.18
o-Aminobiphenyl, dms., c.l., works. lb. .32½ - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Aminoethyl ethanolamine, dms., c.l., dlvd lb. 46½ - —
l.c.l. dlvd. lb. .45 - —
tanks, dlvd lb. .45 - —
2-Amino-2-methyl-1-propanol, cns., dms works lb. .60 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
smaller lots lb. 2.50 - —
p-Aminophenol, dms, frt. alld lb. .97 - .98
Aminophylline, USP 100-lb dms lb. 3.55 - -
Ammonia, anhyd., fertilizer, tanks, works, frt equald ton. 85.00 - 88.00
pure cyls., extra, zone 1 lb. 18½ - —
2 lb. .19 - —
3 lb. .19½ - .20
4 lb. .20 - —
5 lb. .21 - —
refrigeration tanks, works, frt. equald. ton. 87.50 - 90.50

Ammonia, aqueous (29.4% NH_3), dms., c.l., dlvd. Metropolitan area 100 lbs. 3.60 - —
l.c.l., works 100 lbs. 4.00 - —
tanks, works, anhyd. basis. ton. 96.00 - —
Ammoniac, sal, gray, bgs., c.l., works, frt equald 100 lbs. 8.25 - —
l.c.l. same basis 100 lbs 8.65 - 11.15
white gran. (see Ammonium chloride, tech.)
Ammoniacal liquor, tanks, works, anhyd. basis ton 96.00 - —
Ammonium acetate, purif., dms lb. .38 - —
Benzoate, USP, dms., kgs., 4,000-lb. lots frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, gran., dms., c.l., works. ton. 317.00 - —
ton lots, ex whse ton. 390.50 - —
smaller lots, ex whse ton. 395.50 - —
Bicarbonate, dom., dms., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 8.00 - —
imp., dms. l.c.l. lb. .07¼ - .08½
Bichromate, dms., works lb. .42 - .43
Bifluoride, dms., dlvd lb. .2145 - .2245
Bromide, NF, gran., bbls lb. .38 - .39
dms. lb. .39 - .42
Powdered ammonium bromide 10c per lb higher.
Carbonate, USP, lump, powd., dms lb. .23 - .24
Chloride, tech., white, fines, gran., bgs., c.l., works 100 lbs. 5.25 - —
c.l., works 100 lbs. 7.00 - —
USP, gran., bbls., dms lb. .17¼ - —
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Dichromate (see Ammonium bichromate).
Fluoride (see Ammonium bifluoride).

Ammonium hydroxide (see Ammonia, aqueous).
Hypophosphite, NF, dms lb. 3.07 - —
Iodide, NF, dms., bots lb. 4.26 - 4.38
Linoleate, 80%, dms., works lb. .50 - 55
Nitrate dom., fertilizer grade, 33.5% N_2, bgs., western, works, frt. equald ton. 68.00 - 70.00
with dolomite, 20.5% N, bgs., Hopewell, Va ton. 51.00 - —
imp., Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt. equal to $6 per ton. 74.50 - —
western, bgs., c.l., f.o.b. cars, Los Angeles ton. 84.89 - —
Oxalate, fine gran., dms lb. .26½ - .31
Pentaborate, gran., dms., c.l., works ton. 227.00 - —
ton lots, ex whse ton. 300.50 - —
smaller lots, ex whse ton. 305.50 - —
Ammonium pentaborate powder $10 per ton higher
Perchlorate, kgs., works lb. .50 - .75
Persulfate, kgs lb. .38 - —
Phosphate, coml., bgs., c.l., works, frt. equald lb. .0865 - —
l.c.l. same basis lb. .09 - —
dibasic, NF V bots, dms lb. 45 - —
tech., bgs c.l. works, frt. equald lb. .0865 - —
l.c.l., same basis lb. .0915 - —
Salicylate, NF, dms., kgs lb. 1.62 - 1.64
Silicofluoride, dms works lb. 11 - .13
Sulfamate, bbls., bgs., c.l., t.l., works lb. .18 - —
l.c.l., works lb. .22 - —
Sulfate, coke-oven bulk, producing ovens ton. 42.00 - 47.50
syn., bgs., c.l., western, works ton. 44.00 - —
bulk, works ton. 42.00 - —
purif., dms., works lb. .08½ - .10



acetic acid

- Organic synthesis
- Reaction medium and solvent
- Dyeing assistant

acetic anhydride

- Acetylating agent
- Dehydrating agent in nitration and sulfonation reactions, etc.

n-butyric acid

- For the preparation of butyric esters useful in formulating perfumes and flavorings.

n-butyric anhydride

- Acylating agent
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Ammonium Sulfide—Betaphenylethylamine

Ammonium sulfide, liq., 40-44%, dms., c.l., frt. equald., 100% basis ton.240.00 - —
l.c.l., works, 100% basis, ton.300.00 - —
tanks, frt. alld., 100% basis, ton.180.00 - —
Sulfocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .20 - —
l.c.l., works lb. .22 - .26
Thioglycollate, coml., cbys., 100% basis lb. 1.60 - —
highly purif., cbys., 100% basis, lb. 1.70 - 1.96
Thiosulfate, cryst., photo grade, fib dms., frt alld lb. 65 —
60% soln., dms., c.l., works lb. .06½- —
d-Amphetamine hydrochloride dibasic, bots lb.28.00 - —
dl, dms lb. 6.00 - —
d-monobasic, bots lb.28.00 - —
d-Phosphate, dibasic, bots lb.28.00 - —
dl, dms lb. 6.00 - —
d-Sulfate, dms lb 28.00 - —
dl, dms lb. 6.00 - —
Amyl acetate, ex fusel oil, tech., frt. alld. E. of Rockies lb. .17 - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
ex pentane, reg., dms., c.l., dlvd. lb. .17 - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
tech., dms., c.l., dlvd. lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
Alcohol (see Alcohol amyl).
Amyl n-butyrate, dms. lb. .90 - 1.25
Cinnamic aldehyde, dms lb. 1.70 - 2.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .74 - 1.05
o-tert-Amyl phenol, dms., c.l., works, lb. .43¾- —
l.c.l., works lb. .46¾- —
tanks, works lb. .41¾- —
p-tert-Amyl phenol, dms., c.l., works, lb. .24¾- —
l.c.l., works lb. .25¾- —
tanks, works lb. .23¾- —
Anethole, NF, cns., dms lb. 1.25 - 1.55
tech., dms lb. .75 - 1.20
Angelica root, dom., bls lb. .60 - .70
Aniline oil, dms., c.l., works, frt. alld. lb. .21 - —
l.c.l., works, frt. alld lb. .22 - —
tanks, works, frt. alld lb. .20 - —
Salt, dms., c.l., truckloads, 20,000 lbs., min., frt. alld lb. .31 - —
l.c.l., same basis lb. .33 - —
Anise, Mexican, bgs lb. .30 - —
Spanish, bgs lb. .38 - —
Syrian, bgs. lb. No prices.
Anisic aldehyde, bots., dms lb. 1.80 - 2.70
o-Anisidine, dms., works lb. .88 - —
p-Anisidine, dms., works lb. .97 - —
Annatto seed, whole, bgs. lb. .24 - —
powd., dms. lb. .28 - —
Anthracene, 90-95%, bbls., ton-lots, works lb. .70 - —
smaller lots, works lb. .95 - —
Anthraquinone, 99.5%, bbls, c.l., frt. alld lb. .83 - —
l.c.l., same basis lb. .86 - —
electrical grade, bbls., l.c.l., same basis lb. .91 - —
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .28½- —
cs., c.l., mines lb. .29 - —
Antimony oxide, bgs., c.l., frt. alld. lb. .29 - —
l.c.l., frt. alld lb. .30½- —
Sulfide, approx. 60%, bgs., dlvd lb. .27 - .30
Trichloride, anhyd., pails, c.l., works lb. .38½- —
l.c.l., works lb. .40½- —
USP, powd., dms lb. .64 - .65
Antimony-potassium tartrate, tech., gran., powd., dms lb. .59 - .62
Antipyrine, NF, dms lb. 2.50 - 2.70
Apomorphine hydrochloride, USP, bots oz. 23.40 -23.90
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots, tins oz. 4.50 - 6.00
l-Arginine monohydrochloride, dms., 1-kilo lots kilo.74.80 -83.00
Argols, min. 50%, bgs., shipt. ports per 100 kilos, 100% basis.25.00 - —
Arnica flowers (true montana), bls. lb. 3.00 Nom.
Arsenic metal, lump, bbls., ex whse. lb. .54 - —
Trioxide, USP, dms lb. .48 - —
White, powd., bbls., c.l., dvld lb. .05½- —
l.c.l., dlvd lb. .06½- .07½
Asafetida, cs. lb. .36 - .39
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.1,300.00- —
No. 2, c.l. (20 tons), mines ton.675.00 - —
Run-of-mine, c.l., (20 tons), mines ton.556.00 - —
3K, c.l. (20 tons), mines ton.436.00 - —
3R, c.l. (20 tons), mines ton.371.00 - —
3T, c.l. (20 tons), mines ton.348.00 - —
3Z, c.l. (20 tons), mines ton.321.00 - —
4K, c.l. (20 tons), mines ton.173.00 - —
4M, c.l. (20 tons), mines ton.173.00 - —
4T, c.l. (20 tons), mines ton.156.00 - —
Asbestos, Canadian, crude, 4Z, c.l. (20 tons), mines ton.156.00 - —
5D, c.l. (20 tons), mines ton.122.50 - —
5K, c.l. (20 tons), mines ton.122.50 - —
5M, c.l. (20 tons), mines ton.116.50 - —
5R, c.l. (20 tons), mines ton.110.00 - —
6D, c.l. (30 tons), mines ton.78.00 - —
7D, c.l. (30 tons), mines ton.68.50 - —
7F, c.l., (30 tons), mines ton.65.00 - —
7H, c.l. (30 tons), mines ton.55.00 - —
7K, c.l. (30 tons), mines ton.46.00 - —
7M, c.l., (30 tons), mines ton.40.00 - —
7R, c.l. (30 tons), mines ton.39.00 - —
7RF, c.l. (30 tons), mines ton.40.00 - —
7T, c.l. (30 tons), mines ton.37.00 - —
7TF, c.l. (30 tons), mines ton.40.00 - —
7S, c.l., (30 tons), mines ton.27.00 - —

Asbestos c.l. prices are in U. S. funds, l.c.l. lots, $4 per ton higher.

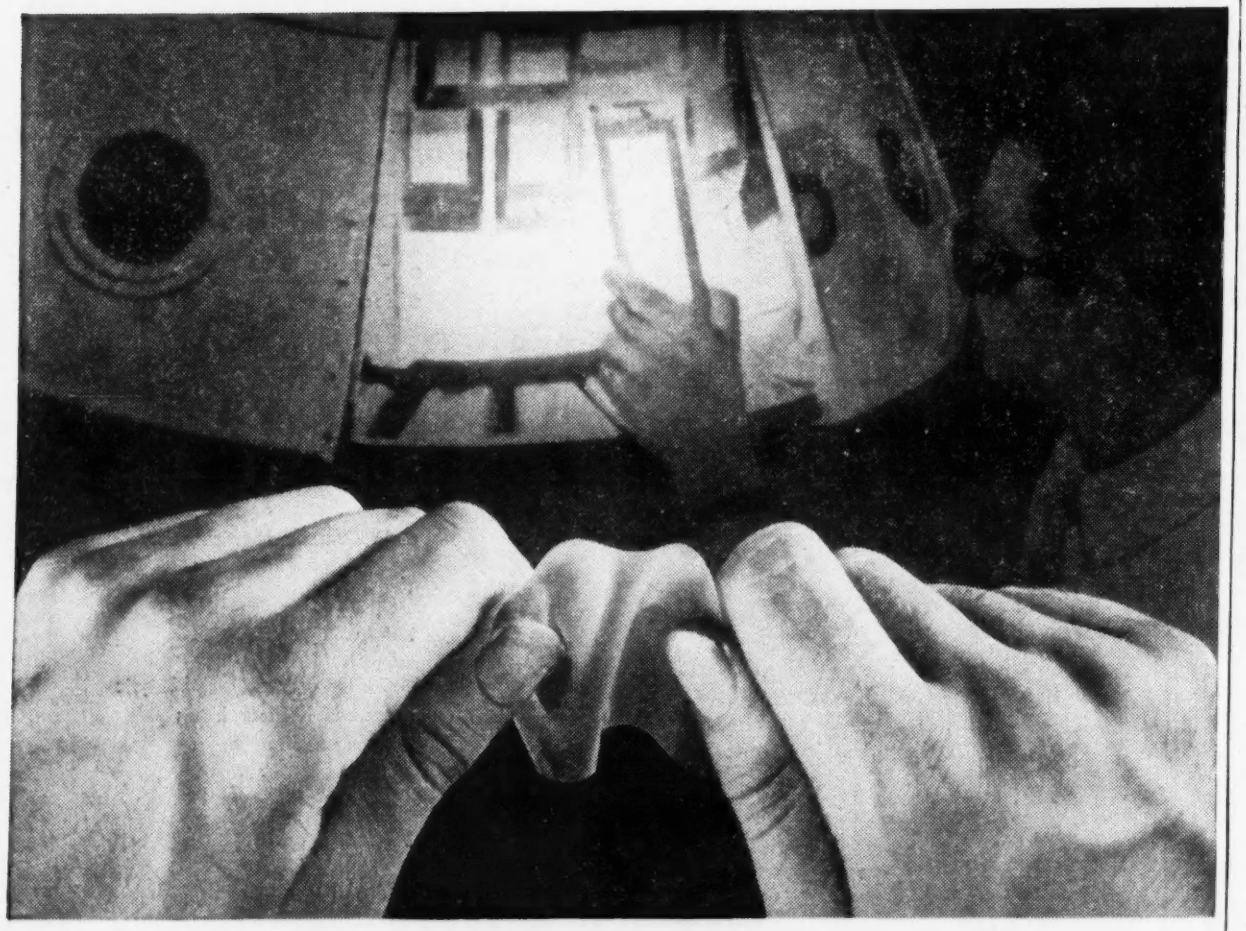
Asphalt, gilsonite, black, jet, bgs., c.l., mines ton.37.00 - —
select, 350°F., fusing pt., bgs., c.l., mines ton.38.00 - —
270°-295°F., fusing pt., bgs., c.l., mines ton.37.00 - —
seconds, 300°-390°F fusing pt., bgs., c.l., mines ton.32.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼- —
Petroleum, cut-back, tanks, tankwagon, refy gal. .09 - —
emulsion, tanks, tankwagon, refy gal. .09½- .10
steam-refd., 50-80 penetration, tanks, tankwagon, refy ton.21.00 - —
85-300 penetration, tanks, tankwagon, refy ton.20.00 - —
Aspirin (see Acid, acetylsalicylic).
Atropine, USP, bots oz. 7.00 - —
Sulfate, USP, bots oz. 4.00 - —

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .70 - —
less than 1,000,000,000 units 50,000 units. .75 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barberry root, bark, bags lb. .28 - .30
Barbital, USP, 100-lb. dms lb. 4.50 - —
Sodium, USP, dms lb. 4.75 - 4.77
Barium carbonate, precip., bgs., c.l., works ton.92.50 - —
smaller lots works ton.102.50 - —
Chlorate kgs., works lb .32 - .36
Chloride, anhyd., bgs., c.l., works, ton.158.00 - —
l.c.l. works ton.168.00 - —
tech., cryst., dms., c.l., works, 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.50 - —
NF, cryst., dms lb. .18 - —
Chromate, bgs., frt. equald lb. .35 - —
Dioxide (see barium peroxide).
Hydrate, cryst., bgs ton.180.00 -190.00
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .12½- —
l.c.l., works lb. .14 - —
Oxide grd., dms., c.l., frt. equald. ton.255.00 - —
l.c.l. works ton.265.00 - —
Peroxide, dms., works lb. .16 - —
Stearate, cns., c.l., frt. and lb. .37 - —
l.c.l., same basis lb. .38 - .42
Sulfate, tech. (see Barytes and Blanc fixe).
X-ray, dms lb. .14 - .14½
Sulfide, dms., c.l., works ton.85.00 - —
l.c.l., works ton 95.00 - —
Barytes, Southern off-color, bgs., mines ton.25.00 - —
95.75%, bgs., mines ton.25.00 - —
water-grd., paper bgs., c.l., E. St. Louis ton.41.60 - —
ex-whse., N. Y. ton.60.10 - —
Bauxite, bulk, mines ton. 9.50 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .35 - .37
root, bls lb. .45 - .50
Bentonite, dom., 200 mesh bgs., c.l., mines ton.14.00 - —
imp., Italian, white, high gel., bgs., 5-ton lots, ex whse ton.80.60 - —
1 ton-lots, ex whse ton.83.10 - —
low gel, bgs., 5 ton-lots, ex whse ton.78.95 - —
1 ton-lots, ex whse ton 81.45 - —
Benzal chloride, cbys., works lb. .22 - .23½
Benzaldehyde, NF, dms lb. .74 - 1.05
tech., cbys., dms lb. .44 - —
Benzene (see Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit-lb. .0075- .009
l.c.l., works, gamma unit-lb. .015 - —
wet dust, distributors, dms., c.l., dlvd., gamma unit-lb. .02 - —
l.c.l., dlvd., gamma unit-lb. .021 - —
Benzidine hydrochloride, bbls., frt. alld., 100% basis lb. 1.00 - —
Benzocaine, dms lb. 3.48 - 3.50
Benzol, pure or nitration, tanks, works
Bethlehem, Pa. gal. .36 - —
Birmingham district gal. .36 - —
Chicago district gal. .36 - —
Cleveland district gal. .36 - —
Geneva, Utah gal. .36 - —
Johnstown, Pa. gal. .36 - —
Lone Star, Texas gal. .36 - —
Lorain, Ohio gal. .36 - —
Minnequa, Colo gal. .35 - —
Philadelphia district gal. .36 - —
Pittsburgh district gal. .36 - —
Sparrows Point, Md. gal. .36 - —
Syracuse, N. Y. gal. .36 - —
Terre Haute, Ind. gal. .36 - —
Youngstown, Ohio gal. .36 - —
Benzophenone dms lb. 1.40 - 1.70
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .22 - —
l.c.l., same basis lb. .23 - —
tank trucks, dlvd. Metropolitan area lb. .21 - —
Peroxide, purif., fib. dms., 50 to 1,000-lb. lots, works lb. .93 - 1.08
Benzyl acetate, f.f.c., cns., dms lb. .62 - 1.04
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms. lb. .62 - 1.10
Chloride, tech., cbys., dms., c.l., works, frt. equald lb. .23 - —
l.c.l., same basis lb. .24 - —
tank trucks, same basis lb. .21 - —

A 2½c. differential is quoted on benzyl chloride in 5-gal. cbys. In steel dms. prices were ½c. lower.

Cinnamate, cns. lb. 3.35 - 3.90
Formate, cns lb 1.80 - 2.10
Isoeugenol, cns. lb. 8.60 - 9.10
Propionate, bots. lb. 1.35 - 1.65
Salicylate, bots. lb. 1.50 - 1.85
Benzylidine acetone, bots lb. 1.68 - 1.80
Chloride (see Benzal chloride).
Berberine bisulfate, cns. lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Betagammapicoline (see b,g-Picoline).
Betamethylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphthylamine).
Betaphenylethylamine (see b-Phenylethylamine).



Rohm & Haas Acrylate Monomers Yield 100% Permanently Plasticized Copolymers

When you copolymerize Rohm & Haas acrylate monomers with vinyl chloride, vinyl acetate, vinylidene chloride, acrylonitrile, or styrene, primary chemical bonds give you permanent plasticization. The acrylate monomers, because they copolymerize, cannot be extracted by even the strongest solvents. They will not migrate or volatilize. Films and coatings resist embrittlement with age; food products will not be contaminated.

Acrylic copolymers require lower processing temperatures, form films more readily because of increased flow, and have added resistance to deterioration by heat and light. Often, plasticization by copolymerization may be all the plasticization required. At other times, copolymerization with acrylate monomers will serve to cut down the amount of external plasticizer used. Write Department SP for authoritative literature on acrylate monomers.

Rohm & Haas acrylic monomers include:

Methyl acrylate
Ethyl acrylate
Butyl acrylate
2-Ethylhexyl acrylate
Methyl methacrylate
Ethyl methacrylate
Butyl methacrylate
Hexyl methacrylate
Decyl-octyl methacrylate
Lauryl methacrylate
Stearyl methacrylate
Glacial methacrylic acid
Glacial acrylic acid
Calcium acrylate

CHEMICALS FOR INDUSTRY

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Representatives in principal foreign countries

BHC (see Benzene hexachloride, technical).
Biotin cryst., bots ..... gram 10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, jars ..... lb. 5.11 - —
Hydroxide, dms. ..... lb. 4.65 - —
Metal, bxs., ton lots ..... lb. 2.25 - —
Nitrate, cryst., dms ..... lb. 2.10 - 2.17
Oxide, anhyd., dms ..... lb. 4.47 - 5.05
Oxychloride, dms ..... lb. 4.37 - 4.42
Phenolsulfonate, fib. dms ..... lb. 5.22 - —
Subcarbonate, USP, dms ..... lb. 3.20 - —
Subgallate, NF, fib. dms ..... lb. 3.15 - —
Subiodide, fib. dms. ..... lb. 5.37 - —
Subnitrate, NF, dms ..... lb. 2.65 - —
Subsalicylate, USP, dms ..... lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works. lb. .17 - —
cs., l.c.l., shipt. point ..... lb. .22½- .26
Ash (see Barium sulfide).
Bone, dms. l.c.l., frt. alld ... lb. .17 - .23¼
Pacific coast bone black prices, 2c. per lb higher
Carbon, channel, pigment, high color, beads ctns., c.l., works. lb. .72 - —
l.c.l., dlvd. or whse. lb. .78 - —
medium color, uncompressed, bgs., c.l., works. lb. .12 - —
l.c.l., dlvd. or whse. lb. .19 - —
rubber, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works ..... lb. .074 - —
l.c.l., works ..... lb. .1225- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse ... lb. .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs., c.l., works ..... lb. .0790- —
l.c.l., dlvd. or whse lb. .122 - .123
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse ..... lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs. cns., l.c.l., whse ... lb. .083 - —
Charcoal (see C).
Dyes (see Dyes).
Graphite (see G).
Iron oxide, pure, bgs. c.l., works. lb. .12¾- —
l.c.l., works ..... lb. .13 - —
Lamp, bgs., c.l., works ..... lb. .16 - .45
Mineral, bgs., works ..... lb. .0160- .0675
Blackberry root bark, bls ..... lb. .45 - —
Black haw root bark, bls ..... lb. .65 - .70
tree bark, bls ..... lb. .40 - .45
Blanc fixe, dry, byproduct, bgs., c.l., works ton 190.00 - —
l.c.l., works ton 200.00 - —
direct process, bgs., c.l., works. ton 100.00 - —
l.c.l., works ..... ton 110.00 - —
N. Y. whse ..... ton 140.88 -165.00
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works ..... 100 lbs. 6.52 - —
blood, dried, 16-16½% ammonia, bgs. unit-ton. 6.75 - —
high-grade, unground, 16-17% ammonia, bgs., Chicago. unit-ton. 6.75 - —
soluble, bgs., c.l. ..... lb. .15 - .16½
l.c.l. ..... lb. .17½- .22½
Bloodroot, bls. ..... lb. .48 - .50
Blue alkali, dry, bbls., dlvd. N. or Tenn. and N. C., E. of Miss R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.00 - —
toner, bbls. lithe flushed same basis lb. 1.13 - —
Chinese, bbls., same basis ... lb. .49 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
Imitation (see Blue ultramarine).
Dyes (see Dyes).
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA, bbls., same basis lb. 2.60 - —
tungstated, PTMA, bbls., same basis lb. 3.85 - —
Milori, bbls., same basis ..... lb. .49 - —
Peacock, fugitive, 100% color strength, bbls., same basis lb. .75 - —
Phthalocyanine, full strength, bbls., same basis lb. 3.43 - —
resinated, bbls., same basis lb. 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls. same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .49 - —
soluble, bbls., same basis ... lb. .49 - —
Soda, CP, bronze, bbls., same basis lb. .56 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .30½- .35
jobbing types, bbls., same basis, lb. .16½- .18½
reg. types, dry, bbls., same basis, lb. .22½- .35
Victoria toner, molybdated, PMA, bbls lb 4.10 - —
tungstated, PTMA, bbls ... lb. 5.00 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher. Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Vitrol (see Copper sulfate).
Bluestone (see Copper sulfate).
Bonemeal, steamed, works, E. ton 68.00 -70.00
Los Angeles ..... ton 82.00 - —
Bone phosphate defluorinated (see D)
of lime (see Calcium phosphate, tribasic).
precipatated (see Calcium phosphate tribasic, NF, precip.).
Borax, tech., anhyd., bgs., c.l., works. ton 78.00 - —
ton lots ex whse. N. Y. or Chicago ton 125.75 - —
bulk, c.l., works ton 70.00 - —
cryst. 99½%, bgs., c.l., works. ton 67.25 - —
ton lots, ex-whse., N. Y. or Chi ton 115.00 - —
smaller lots, same basis. ton 120.00 - —
gran., decahydrate, 99½%, bgs., c.l., works ton 41.25 - —
ton lots, ex whse., N. Y., Chi ton 89.00 - —
smaller lots, same basis. ton 94.00 - —
bulk, c.l., works ..... ton 35.75 - —
pentahydrate, 99½%, bgs., c.l., works ton 55.50 - —
ton lots, ex whse., N.Y., Chi ton 108.25 - —
smaller lots, same basis. ton 103.25 - —
powd., 99½%, bgs. ..... ton 46.25 - —
ton lots, ex-whse., N. Y. or Chi. ton 94.00 - —
smaller lots, same basis. ton 99.00 - —
Borax packed in kgs., $45.50 per ton higher than in paper bgs.; in barrels, $24.50 higher. USP borax $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse, pt lb. .18 - .24
l.c.l., same basis ..... lb. .19 - .26
Borneol, cns. ..... lb. 2.50 4.50
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
ters truckload, works ... lb. .70 - —
Brazilwood extract (see Hypernic extract)
Brimstone (see Sulfur).
Bromine, purif., cs., c.l., t.l., dlvd. E. of Rockies lb. .31 - —
l.c.l., same basas ..... lb. .33 - .38
ret. dms., c.l., t.l., same basis. lb. .30 - —
l.c.l., same basis ..... lb. .30 - .32
tanks, same basis ..... lb. .21½- —
Bromoform, pharmaceutical grade, bots lb 1.62 2.60
cbys. ..... lb. 1.52 - —
Bromstyrol, bots ..... lb. 5.40 - 5.70
Bronze powder aluminum (See A).
Brown, iron oxide, pure, bgs., c.l., works lb. .13¾- —
l.c.l., works ..... lb. .14 - —
Oxide, metallic, bgs, works ... lb. .04 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½ .15½
raw, paper, ogs., c.l., works lb. .04½ .13
l.c.l. works lb. .04¾ .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works ..... lb. .06¼- .07
Turkey type bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¾- —
l.c.l., works ..... lb. .07 - —
raw, American bgs., works lb. .06¼ .06½
Turkey-type, bgs., works lb. .06¾- .07
Vandyke, bbls., works ..... lb. .09½- .12

Brucine, cns., 100-oz. lots ..... oz. .20 - .25
Sulfate, NF, cns., 100-oz. lots oz. .15 - .20
Buchu leaves, bls ..... lb. .50 - —
Butadiene, refd., cyls., refy ... lb. .22 - —
tanks, refy ..... lb. .15 - —
Butane, indust., tanks, group 3 gal. .03½- —
N. Y. harbor ..... gal. .08 - —
n-Butyl acetate, ferment., dms., c.l., frt. alld lb. .15 - —
l.c.l., same basis ..... lb. .16 - —
tanks, same basis ..... lb. .13 - —
n-synthetic, dms., c.l., dlvd. E. lb. .15 - —
l.c.l., same basis ..... lb. .16 - —
tanks, same basis ..... lb. .13 - —
sec-synthetic, dms., c.l., dlvd. E. lb. .12½- —
l.c.l., same basis ..... lb. .13¼- —
tanks, same basis ..... lb. .10¾- —
Alcohol (see Alcohol n-Butyl).
Aldehyde (see Butyraldehyde).
Chloride, dms., c.l., works ..... lb. .37½- —
l.c.l., works ..... lb. .38 - —
n-Ether, dms., c.l., works ..... lb. .31½- —
l.c.l., works ..... lb. .32 - —
tanks, works ..... lb. .30 - —
Lactate dms., c.l. frt. alld. E. or Rockies lb. .35 - —
l.c.l., same basis ..... lb. .36 - —
tanks, same basis ..... lb. .33 - —
Laurate, dms., works ..... lb. .39 - —
Methacrylate normal dms. less truckloads works lb. .70 - —
Oleate, refd., dms., l.c.l., works. lb. .32 - —
Phenylacetate dms ..... lb 4.50 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms, l.c.l. frt equald lb. .24 - .27
Butylamine (see mono-de, and tri-).

BHC—Calcium p-Aminosalicylate

6-tert-Butyl-m-cresol, dms., c.l., works lb. .49 - —
l.c.l., works ..... lb. .50 - —
tanks, works ..... lb. .48 - —
p-tert-Butylphenol, bgs., c.l., works. lb. .25½- —
l.c.l., works ..... lb. .26½- —
Butyraldehyde, dms., c.l., dlvd lb. .21½- —
l.c.l. dlvd ..... lb. .22½- —
tanks, dlvd ..... lb. 19½- —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter)
Cadmium iodide, 25-lb. fib. dms lb 6.75 7.05
Metal ingots or sticks, cs. dlvd lb 1.70 - —
Caffeine, USP, nat., cryst., anhyd., dms., 100-lb. lots or more lb. 3.35 - —
hydrous, dms ..... lb. 3.15 - —
syn., cryst., anhyd., dms., 100-lb. lots or more lb. 3.35 - —
hydrous, 100-lb. lots or more, lb. 3.15 - —
citrated, USP, dms., 100-lb. lots or more lb. 2.90 - —
Calamine, USP, dms ..... lb. .34 - —
Calciferol, cryst., vials, 1-kilo lots, works gram. 75 - —
25 to 100 gram lots, works. gram. .80 - .90
in edible oil (see Viosterol).
Calcium p-aminosalicylate, fib., dms., 1,000 lb. lots, frt. adjusted lb. 7.00 - —
smaller lots, same basis ... lb. 7.05 - 7.50

The "big four" from Trona — POTASH, BORAX, SODA ASH and SALT CAKE — puts you on the right track toward achieving quality and uniformity in your production. On the farm, Trona® POTASH added to the soil as a plant nutrient, results in richer, bigger harvests of every important crop. In the factory, Three Elephant® BORAX and Trona® SODA ASH are vital to strength, color, beauty and economical manufacture in glassware and ceramics; Trona® SALT CAKE is a necessity for quality-grade kraft paper. For these basic chemicals American Potash and Chemical Corporation has no equal as a diversified and dependable source of supply.

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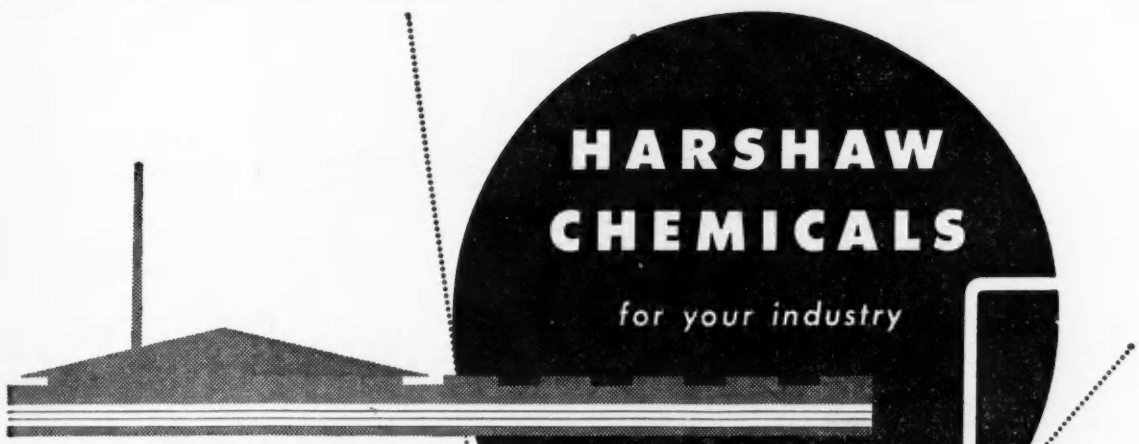
Calcium, Arsenate—p-Chloroaniline

Calcium arsenate, dealers, dms., c.l., whse. works, frt. alld on 96 lbs or over lb. .09 - .10
l.c.l., same basis lb. .10 - —
Bromide, NF, jars lb. .90 - .97
Carbide, standard generator size, dms., c.l., dlvd ton 134.40 —
Carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton. 7.50 -10.00
chalk, whiting, 325 mesh, bgs. works ton 32.00 -34.00
water-grd., ½ to 0 microns, bgs., c.l., works ton 30.00 —
10 to 20 microns, bgs., c.l., works ton 17.00 -18.00
precip., dense, bgs., c.l., works ton 30.00 -33.00
l.c.l., works ton 40.00 -48.00
medium, bgs., c.l., works ton 35.00 —
l.c.l., works ton 45.00 -50.00
surface treated, bgs., c.l., works ton 35.00 -50.00
l.c.l., works ton 45.00 -65.00
ultrafine, bgs., c.l., works ton 110.00 160.00
l.c.l., works ton 120.00 175.00
Chloride, cryst., purif., dms. lb. .27 - —
flake, 77-80%, paper bgs., c.l., works, frt equald ton 27.00 - —
liquor, 40%, tanks, frt. equald. ton 11.35 - —
pellets, bgs., c.l., works ton 33.00 - —
powd., bgs., c.l., works ton 37.65 - —
solid, 73-75% dms., c.l., frt equald ton 25.50 - —
l.c.l., works, same basis ton 34.00 -71.00
USP, gran., dms lb. .40 - —
Chromate, bgs., frt. equald lb. 29½ - .30
Cyanide, dms., dlvd. E. of Rockies lb. .24 - .50
Gluconate, AA, bbls., dms lb. .70 - .72
USP, bbls., dms lb. .53 - .65
Glycerophosphate, NF, fib. dms. lb. 2.30 - 2.45
Hydride, dms., works lb. 2.15 - 3.00
Hypochlorite, high test, cased (45 lbs.), dlvd. E. of Rockies cs. 22.60 -24.75
dms., 100-lb. same basis dm. 28.65 -32.50
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars lb. 4.52 - —
Lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb. .41 - .48
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .27¼ - —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton 46.00 - —
tech., dms., works lb. .13 - —
d-Pantothenate, jars, 100-gram lots or more, frt. adjusted. gram .07½ - —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms. lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.10 - —
l.c.l. 100 lbs 7.60 - 7.95
feed grade, 18½ to 21 units, bgs., c.l., frt. equald. ton 74.00 -84.00
l.c.l., bgs., frt. equald. ton 85.00 -95.00
monobasic, bgs., 10,000-lb. lots, frt. equald 100 lbs. 6.05 - —
smaller lots, same basis, 100 lbs. 6.55 - —
tribasic, precip., NF, bgs., c.l., frt. equald. 100 lbs. 7.60 - —
l.c.l., frt. equald. 100 lbs. 7.95 - —
Phytate, bgs., works lb. .37 - —
Resinate, precip., dms., frt. alld., works lb. .30 - —
Silicate, hydrated, bgs., c.l., works. lb. .06 - —
l.c.l., works lb. .06½ - —
paint grade (see Wollastonite).
Stearate, ctns., c.l. lb. .35 - —
l.c.l. lb. .36 - .40
Sulfate (see Gypsum)
Calomel, USP, powd., dms. lb. 5.42 - —
Camphene 46° m.p., dms., incl., c.l., works lb. .128 - —
l.c.l., same basis lb. .143 - —
tanks, same basis lb. .103 - —
Chlorinated, 67-69% (see Toxaphene).
Camphor monobromated, NF, dms., kgs lb. 3.00 - 3.12
nat., USP, powd., cs., 100-lb. lots. lb. .60 - .65
tablets, 1-oz., ½-oz. cs lb. .75 - .80
syn., tech., 1 bbl. or more lb. .52 - —
USP, gran., powd., bbls, 2,000-lb. lots lb. .59 - —
1,000-lb. lots lb. .60 - —
smaller lots lb. .61 - —
Syn., USP, tablets, tins, 2,000-lb. lots lb. .90 - —
1,000-lb. lots lb. .91 - —
smaller lots lb. .92 - —
Canada balsam (see Fir balsam)
Cantharides, Chinese, cs lb 2.00 - 2.05
powd., bxs. lb 2.25 - 2.30
Russian, bgs. lb 4.00 - 4.05
powd. bxs. lb 4.35 - 4.40
Capsicum (see Pepper, red).
Oleoresin NF from domestic pepper, dms lb. 4.50 - 5.25
from African pepper, dms lb. 4.35 - 5.00
Caraway seed, Dutch, bgs lb. .20½ - .21
Carbazole, 97%, bbls., ton lots, works lb 1.05 - —
Carbinol, methyl isobutyl (see Methyl isobutyl carbinol).
Carbon dioxide, indust., wholesale, bulk, dlvd. metropolitan area, ton 73.00 -115.00
cyls., same basis lb. .08 - —
solid, same basis lb. .033 - .040
Disulfide, 55-gal. dms., c.l., works, frt. alld. to competitive points lb. .0750- —
l.c.l., same basis lb. .0850- —
5-gal. dms., c.l., same basis lb. .1025- —
l.c.l. same basis lb. .1125- —
tanks, same basis lb. .0515- .0525
Tetrachloride, CP, dms., frt. alld. lb. .10½ - .12¼
tech., consumers, dms., c.l., E. Rockies, frt. alld lb. .10 - —
W. of Rockies, f.o.b., stock-points lb. .10½ - —
l.c.l., E. of Rockies, frt. alld. alld lb. .11¾ - —
W. of Rockies, f.o.b. stock-points lb. .12¼ - —
tanks, E. of Rockies frt alld. lb. .085 - —
W. of Rockies, f.o.b. stockpoints lb. .09 - —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms. 100-lb. lots, works lb 4.00 - 4.25
smaller lots, works lb 4.10 - 4.75
Cardamom fruit, fancy, bold, cs lb. 3.90 - —
AA, cs. lb. 3.60 - —
decorticated, Alleppey, cs lb. 1.90 - —
Guatemalan, cs. lb. 1.90 - —
green, Alleppey, bgs lb. 1.90 - —
Ceylon, bgs. lb. 1.90 - —
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100-lb. lots or more, dlvd lb. 7.80 - —
smaller lots, dlvd. lb. 7.95 - 8.45
Carotene, tech., 1,350,000 A units per gram, tins, works gram .55 - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works, million units. .18 - —
microcrystalline in oil, 400,000 A units per gram, tins, works, million units. .33 - —
Carvol, bots. lb. 4.75 - 9.65
Cascara sagrada bark, bulk lb. .30 - .31
Casein, dom., acid precip., standard, bgs., 10,000-lb. lots or more, shipt. point lb. .27 - .30
premium, bgs., 10,000-lb. lots or more, shipt. point lb. .35 - .40
imp., Argentine, acid-precip., grd., 100-lb. lots or more, duty paid lb. .22 - .22½
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J lb. .22 - —
ton lots, same basis lb. .23 - —
dm. lots, same basis lb. .25 - —
Cassia, Batavia, cuttings, bls. lb. .16½ - .16¾
longstick, cracked, bls lb. .18½ - .19
shortstick, cracked, bls lb. .17½ - .17¾
Saigon, broken, bls lb. No prices.
medium, reconditioned, bls lb. No prices.
thin, bls lb. No prices.
Castor beans, bgs., f.o.b. Brazilian ports long ton 104.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton 35.00 -37.50
Castoreum, nat., ens lb. 5.00 -30.00
syn., ens lb. 9.00 - —
Catechol, CP, cryst., fib. dms., works lb 2.17½ - —
resub., dms., works lb. 4.29½ - —
Catnip leaves, Southern, bls lb. .75 - —
Celery seed, French, bgs., shipt. lb. .46 - .50
Indian, bgs. lb. .14½ - .15
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, powd., ctns., bgs., 100-lb. lots or more, dlvd. E lb. .35 - .46
Acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E. lb. .545 - .555
27% butyryl content, bgs., dlvd. E lb. .595 - .605
38% butyryl content, bgs., dlvd. E lb. .545 - .555
50% butyryl content, bgs., dlvd. E lb. .585 - .595
half-second, bgs., dlvd. E lb. .545 - .555
Cerium hydrate, 74% CeO_2, bx. dms., 100-lb lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Oxalate, NF, bbls., bgs., works lb. 1.05 - —
Oxide, optical grade, bgs., 50-lb. lots or more, works lb. 1.85 - 1.98
smaller lots works lb. 2.03 - 2.23
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, cs lb. .75 - .80
Roman cs lb 1.00 - 1.15
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½ - .32½
smaller lots works lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton 77.00 -88.00
gran., bgs., works ton 77.00 - —
bulk, c.l., works ton 70.40 - —
Pinewood, gran., powd., bgs., c.l., works, South ton 55.00 - —
l.c.l., works, South ton 55.00 -65.00
lump bgs., c.l., works, South ton 51.50 - —
l.c.l., works, South ton 54.50 -69.00
bulk, c.l., works, South ton 36.00 - —
Chestnut extract, liq., 25% tannin, bbls., c.l., works lb. .04¾ - —
l.c.l., works lb. .0510- —
tanks, works lb. .04 - —
powd., 60% tannin, bgs., extra, c.l., works lb. .1032- —
l.c.l., works lb. .1102- —
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.00 - —
500-lb. lots lb. 1.03 - —
100-lb. lots or less lb. 1.05 - —
Chlordan, agricultural, dms., c.l., frt alld lb. .65 - —
l.c.l., 5,000 to 10,000 lb. lots, frt alld lb. .66 - —
clarif., dms., c.l., frt. alld lb. .75 - —
l.c.l., 5,000 to 10,000 lb. lots, frt. alld lb. .76 - —
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlorinated paraffin, 42%, dms., c.l., frt. alld lb. .15½ - —
l.c.l., same basis lb. .16½ - —
70%, dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
125, 1,000 cps., ctns., c.l., works lb. .65 - —
l.c.l., works lb. .66 - —
Chlorine, liq., cyls., c.l., works, frt. equald lb. .09½ - —
l.c.l., Metropolitan area lb. .11 - .12¼
tanks, single units, works, frt. equald 100 lbs. 2.93 - —
multiple units, 5 cars, works, frt. equald 100 lbs. 3.80 - 3.83
3 cars, same basis 100 lbs. 3.80 - —
2 cars, same basis 100 lbs. 5.00 - —
1 car, same basis 100 lbs. 6.00 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
m-Chloroaniline, dms., c.l., frt. equald lb. .75 - —
l.c.l., same basis lb. .80 - —
o-Chloroaniline, dms., c.l., works, frt. equald lb. .70 - —
l.c.l., same basis lb. .72 - —
p-Chloroaniline, dms., c.l., works, frt. equald lb. .75 - —



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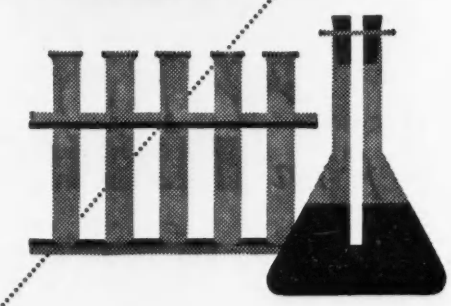

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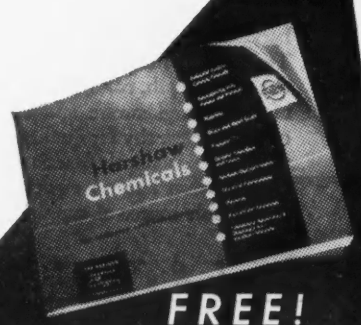

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o-Chlorobenzaldehyde, dms., works	lb.	1.20	- —
p-Chlorobenzaldehyde, dms., works	lb.	1.33	- —
Chloroform, tech., dms., c.l., dlvd. E	lb.	.18	- —
l.c.l., same basis	lb.	.19	- —
tanks, same basis	lb.	.17	- —
USP, dms	lb.	.30	- —
2-Chloro-4-nitroaniline, paste, 100% basis	lb.	.81	- —
powd., dlvd. E	lb.	.86	- —
4-Chloro-2-nitroaniline, powd., dlvd. E	lb.	.80	- —
o-Chlorophenol, dms. c.l., frt. equald.	lb.	.34½	- —
l.c.l., same basis	lb.	.35½	- —
p-Chlorophenol, dms. c.l., frt. equald.	lb.	.34½	- —
l.c.l., same basis	lb.	.35½	- —
Chlorophyll, oil soluble, 4%, not fixed, pails, tins, works	lb.	4.25	- —
copper fixed 6¼% tins, pails, works	lb	4.25	- —
Sodium-copper, aqueous soln. 4%, dms., pails, works	lb.	3.75	—
8%, pails, dms., works	lb.	4.00	4.80
14%, dms. works	lb	6.90	- —
conc., dom., 50%, dms., works, 100% basis	lb	42.00	- —
75% dms. works, 100% basis	lb	45.00	- —
90%-100%, dms., works, 100% basis	lb	45.00	- —
imp., 60%, tins, 100% basis.	lb.	58.00	- —
90%, tins, 100% basis	lb.	58.00	- —
75%, tins, 100% basis	lb.	58.00	- —
Chloropicrin, comi., bots	lb.	1.50	- —
cyls. 180 lbs frt alld	lb	.95	- —
100 lbs., same basis	lb.	.97	- —
25 lbs same basis	lb	1.22	- —
Cholesterol, USP fib, dms., 100-lb. lots	lb.	6.85	- 9.00
Choline bitartrate fib dms. frt adjusted	lb.	1.25	- 1.50
Chloride fib dms. frt adjusted.	lb	1.50	- 1.75
Dihydrogen citrate. fib dms., frt. adjusted	lb	1.50	1.75
Chromium acetate, soln. 7½%, bbls., works	lb.	.08½	- —
cbys works	lb.	10¼	—
Fluoride, bbls., works	lb.	.51	- .52
Green (see Green, chrome).			
Oxide (see Green chromium oxide)			
Trioxide NF bots	lb	82	89
Yellow, (see Yellow chrome)			
Cinchona bark, NF, red, broken, bgs	lb.	.35	- .40
yellow, broken, bgs	lb.	.35	- 40
Cinchonidine cryst. cns 100-oz. lots.	oz.	.65	- —
Sulfate cns., 100-oz. lots	oz.	.37	- .40½
Cinchonine cryst. cns. 100-oz lots.	oz.	.52	.57
Sulfate, NF, cns. 100-oz. lots	oz.	.27½	- .30½
Cinchophen NF heavy density, dms. frt adjusted	lb.	3.70	4.05
standard density dms., same basis	lb	3.50	3.85
Cinchophen-sodium dms frt adjusted	lb	4.50	4.85
Cinnamic alcohol (see Alcohol cinnamic).			
Cinnamon, Ceylon, No. 2	lb.	.60	- —
"0000," bgs.	lb.	.88	- —
Citral, bots., cns	lb.	6.05	- 6.20
Citronellal, bots., dms	lb	1.85	- 2.50
Citronellol bots., dms	lb.	2.70	- 3.25
Civet, artif., bots	lb.	13.75	-15.00
nat., bots	oz.	7.50	-15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn.	ton.	19.50	- —
crushed, shed moisture, bulk, c.l., Tenn	ton.	10.00	- —
purif., bgs., c.l., Tenn	ton.	20.50	- —
imp., airfloated, bgs., c.l., Atl. port	long ton.	42.00	-45.00
lump, bulk, Atl. port	long ton.	27.00	-30.20
China, dom., dry-grd., airfloat, 99%, 325 mesh, bgs., c.l., Georgia, works	ton.	10.00	- —
l.c.l., Georgia, works.	ton.	15.50	- —
300 mesh, bgs., c.l., Georgia, works	ton.	13.50	-14.50
l.c.l.	ton.	35.00	-36.00
imp., white, lump, bulk, c.l., ex dock, Phila., Portland, Me.	gross ton.	20.00	-35.00
powd., bgs., c.l., ex dock	net ton	50 00	—
l.c.l., ex whse	net ton.	60.00	-65.00
Clove, Madagascar, bgs	lb.	.53	- .54
Zanzibar, bls.	lb.	.53	- .54
CMC, crude, 96%, low or medium vis., bgs., or fib. dms., 23,000 lbs., dlvd. E., 100% basis.	lb.	.37	- —
less than 23,000 lbs., dlvd. E., 100% basis	lb.	.41	- —
65%, bgs., or fib. dms., c.l., dlvd. E., 100% basis	lb.	.37	- —
l.c.l., dlvd. E., 100% basis.	lb.	.41	- —
purif., high vis. (see Gum Cellulose), standard, low or medium vis., bgs., 23,000 lbs. or over, works, frt. alld	lb.	.53	- —
smaller lots, same basis	lb.	.57	- —
CMC prices W. of the Rockies are 2c. per lb. lower, and are on a works basis.			
Coaltar, crude, resale dms., c.l., ex-whse	gal.	.275	- .30
l.c.l., ex-whse	gal.	.285	- .32
tanks ex works	gal.	.154	- .165
refd., resale, dms., c.l., ex-whse.	gal.	.2850	- .3125
l.c.l., ex-whse	gal.	.2950	- .3245
tanks, ex whse	gal.	.1650	- .1760
Cobalt acetate, 23.7%, bbls., dlvd.	lb.	1.30	- —
Carbonate, 46% powd., bgs., dlvd.	lb.	2.15	- —
Chloride 24.2% Co. kgs., dlvd.	lb.	1.20	- —
Hydrate, 60-61% Co. bbls., dlvd.	lb.	2.72	- —
Linoleate, fused, 8½% Co., dms.	lb.	.75¾	- —
liq., 6% Co., dms	lb.	.61	- —
Metal, 97-99% kgs., ex whse	lb.	2.60	- —
Naphthenate, liq., 6% Co., dms., dlvd	lb.	.48¼	- —
Nitrate, 20.1% Co, bbls., dlvd	lb.	1.00	- —
Phosphate, powd., 32.1% Co., kgs., dlvd	lb.	1.69	- —
Oxide, black, 72½-73½% Co., kgs.	lb.	1.96	- —
70-71% Co., kgs	lb.	1.90	- —
Resinate fused, 3% Co., dms	lb.	.29¾	- —
Sulfate, cryst. 21% Co., dms., dlvd	lb.	.89	- —
monohydrated, 33% Co., dms dlvd	lb.	1.40	- —
Tallate, 6% Co., dms., dlvd	lb.	.43¾	- —
Cocaine, USP, cns., 100-oz. lots	oz.	17.80	- —
Hydrochloride, cns., 100-oz. lots.	oz.	12.75	- —
Cocillana bark, bgs	lb.	.40	- .50
Cocoa butter, bgs	lb.	.81	- .86
Codeine, NF, cns., 100-oz. lots	oz.	13.25	- —
Hydrochloride, cns., 100-oz. lots	oz.	11.75	-
Phosphate, USP, cns., 100-oz. lots.	oz.	10.25	- —
Sulfate, USP, cns., 100-oz. lots	oz.	10.75	- —
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls	lb.	.20	- .22
blue, bls	lb.	.20	- .22
Colchicine, USP, bots., cns.	oz.	33.50	-40.00
Colchicum root, bls	lb.	.45	- .55
seed, bgs	lb.	.80	1.10
Collodion, USP, dms	lb.	.32½	- —
flexible, USP, dms	lb.	.34	- —
Colocynth, pulp, bls	lb.	.25	- .30
Colombo root, bls	lb.	No prices.	
Condurango bark, bales	lb.	.40	- .50
Copaiba balsam, cns., dms	lb.	.90	- 1.20
Copper acetate, bbls., c.l., works	lb.	.40	- —
l.c.l., works	lb.	.41	- —
Carbonate, 55%, bgs., works	lb.	.263	- .273
Chloride, anhyd., bbls., works	lb.	.39	- —
cryst., bbls., works	lb.	.26¼	- —
Cyanide, tech., bbls., 1,000-lb. lots or more	lb.	.619	- —
smaller lots	lb.	.639	- —
Gluconate, cns., dms	lb.	3.00	3.24
Hydrate, dms., frt. alld. E. Miss	lb.	.40¼	- .40¾
Metal, electrolytic, dlvd., Valley basis	lb.	.30	- —
Naphthenate, liq., 8% Cu., dms., frt. alld	lb.	.23½	- —
Nitrate, tech., cryst., bbls., works.	lb.	.33¼	- —
Oleate, solid, 9% Cu, dms., works	lb.	.45	- —
Oxide, black, bbls., works	lb.	.39	- .44½
red, USN type I, 97%, bbls., works	lb.	.48½	- .58
type II, 90%, bbls., works.	lb.	.41	- .46½
Oxychloride, dms., works	lb.	.40	- .40½
Quinolinate, fib. dms	lb.	4.25	- 4.50
Resinate, precip., dms., frt. alld.	lb.	.30	- —
Sulfate, CP, gran., bbls., works	lb.	.1715	- —
cryst., 99%, bgs., c.l., works	100 lbs.	10.35	
l.c.l., works	100 lbs.	10.60	-11.35
monohydrated, 35% dms., c.l., works	100 lbs.	17.10	-17.85
tribasic, dealers, bgs., c.l., works, frt. alld	100 lbs.	22.50	- -
l.c.l., works	100 lbs.	23 00	-24 50
Undecylenate, dms	lb.	2.90	3 00
Copperas (see Ferrous sulfate).			
Copra, Atl., Gulf ports, c.i.f.	ton.	182.50	- —
Pacific ports, c.i.f.	ton.	177.50	- —
Coriander seed, Moroccan, bgs	lb.	.10	- .10½
Roumanian, bgs.	lb.	.07	- .07½

o-Chlorobenzaldehyde—Cyanamide, Fertilizer Grade

Corn sugar, tanners, chipped, paper bgs. c.l. 60,000 lbs. min	100 lbs	7 31	- —
l.c.l.	100 lbs.	7.46	- —
Syrup, 42 dms., c.l.	100 lbs	7 32	- —
l.c.l.	100 lbs.	7.46	- —
Corrosive sublimate (see Mercuric Chloride)			
Cortisone acetate, NNR, bulk	gram.	3.50	- 3.55
Cottonseed meal, exp. 41%, sacked, Memphis	ton.	72.00	- —
solvent, same basis	ton.	70.00	- —
Coumarin, cryst., NF, dms	lb.	3.10	- 3.20
Cramp bark, NF, bls	lb	85	90
Cream of tartar (see Potassium bitartrate).			
Creosote carbonate, NF, bots cbys.	lb	3.05	3.26
Coaltar, crude tanks, works, frt. adjusted	gal.	22	—
soln., 80%, tanks, works	gal.	.2068	- —
refd., dms., c.l., works	gal.	.3850	- —
l.c.l. same basis	gal.	4510	- —
tanks same basis	gal	2970	- —
Wood, beechwood, cbys., dms	lb.	1.60	- 1.65
hardwood, NF, bots., cbys	lb.	1.30	1.35
pinewood, tanks, works	lb.	.427	- .438
Cresol, tech., 50% below 204°C., dry above 207 C wide distillation range, non-ret. dms c.l frt equald	lb.	.133	- —
l.c.l. same basis	lb.	.136	- —
tanks, same basis	lb.	.12	- —
USP, non-ret. dms., c.l., same basis	lb.	.143	- —
l.c.l., same basis	lb.	.146	- —
ret dms., c.l., same basis	lb	140	- —
l.c.l., same basis	lb	145	- —
tanks, same basis	lb	120	- —
m-Cresol, 95-98%, dms., c.l., works.	lb.	.60	- —
l.c.l., works	lb.	.61	- —
o-Cresol, m.p. over 30°C., ret. dms., c.l., frt. equald	lb.	.173	- —
l.c.l., same basis	lb.	.176	- —
tanks, same basis	lb.	.16	- —
29°C., ret. dms., c.l., frt. equald.	lb.	.16	- —
l.c.l., same basis	lb.	16½	- —
tanks, same basis	lb.	.15	- —
25-29°C., dms., c.l., frt. equald.	lb.	.153	- —
l.c.l., same basis	lb.	.156	- —
tanks, same basis	lb.	.14	- —
p-Cresol, 98%, dms., c.l., dlvd	lb.	.49	- —
l.c.l., dlvd	lb.	.51	- —
Methyl ether, cns	lb	1.90	- 2.50
Crotonaldehyde, 91-93%, dms., l.c.l., works	lb.	.24¼	- .25
Cryolite, nat., industr., bgs., c.l., works	100 lbs.	13.00	- —
l.c.l., works	100 lbs.	14.25	- —
Insecticide, dealers, bgs., c.l. dlvd	100 lbs.	16.75	- —
l.c.l., dlvd	100 lbs.	17.75	- —
Cube root, powd. 5% rotenone, bgs. works	lb.	.25	- —
Cubeb berries, XX, NF, bgs	lb.	No prices.	
powd., cs.	lb.	No prices.	
Cumene, dms c.l., works	lb	.12	—
l.c.l., works	lb	.14	- —
tanks works	lb	11	- —
Cumin seed, Iranian, bgs	lb.	.13	- —
Turkish, bgs.	lb.	.11½	- —
Cutch extract, 55% tannin, bgs., ex dock, duty extra	lb.	08½	- —
Cyanamide fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract	ton.	55.00	- —
pulv., 21% N, bgs., works, unit-ton.		2.75	- —

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Cyanamide, Indust. Grade—Dioctyl Adipate

Cyanamide, indust. grade, bgs., c.l., works ton 75.00 - —
l.c.l. bgs., works ton 96.00 - —
6-16 mesh, dms., c.l., works ton 120.00 - —
l.c.l. dms., works ton 140.00 - —
Cyclohexane, tech., dms., c.l., works, gal. .70 - —
l.c.l., works gal. .72 - —
tanks works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28½- .37¾
l.c.l. works, same basis lb. .30 - .38¼
tanks, works, same basis lb. .27 - .36⅛
Cyclohexanone, tech., dms., c.l., works lb. .33½- —
l.c.l., works lb. .35 - —
tanks works lb. .32 - —
Cyclohexylamine, dms., c.l., works, lb. .46½- —
l.c.l., works lb. .47½- —
tanks, works lb. .45 - —
Cyclopropane, CP, 2-lb cyls, works cyl 48.00 - —
8 oz cyls, works cyl 12.00 - —
USP, hospitals, cyls., 40-gal. lots, gal. .38 - —
100 gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2-4-D, tech., dms., c.l., works, frt. equald lb. .41½- —
l.c.l., same basas lb. .46½- .48½
Butyl ester, dms., c.l., works lb. .43 - —
l.c.l., same basis lb. .48 - .50
Isopropyl ester, dms., c.l., works, lb. .43 - —
l.c.l., works lb. .48 - .50
Dandelion root, bls lb. .35 - .40
DDD, tech., flake, grd., fib. bgs., c.l., works lb. .45 - —
l.c.l., works lb. .46 - —
DDT powder, bgs., c.l., works, frt. equald lb. .27 - —
smaller lots, same basis lb. .29 - —
fib. dms., c.l., same basis lb. .28 - —
smaller lots, same basis lb. .30 - —
1-Decanol, tech., dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks, dlvd lb. .32½- —
Deertongue leaves, bls lb. .45 - —
Defluorinated phosphate, 13% P, paper bgs., works ton 49.50 - —
14½% P, paper bgs., works ton 48.00 - —
17% P, paper bgs., works ton 56.00 - —
18% P, paper bgs., works ton 64.35 - —
Degras, common, bbls lb. .10 - .12
neutral, less 2% ffa., bbls lb. .23 - .24
over 2% ffa., bbls lb. .22 - .23
Derris root, 5% rotenone powd., bbls lb. .26 Nom.
d-Desoxyephedrine hydrochloride, bots lb. 25.00 - —
dl- bots lb. 6.50 - —
Dextrin, corn, gum, paper bgs., c.l., 100 lbs. 8.95 - —
l.c.l. 100 lbs 9.10 - —
canary paper bgs. c.l. 100 lbs 8.69 - —
l.c.l. 100 lbs 8.84 - —
dark, paper bgs., c.l. 100 lbs 8.79 - —
l.c.l. 100 lbs 8.94 - —
white, paper bgs., c.l. 100 lbs 8.53 - —
l.c.l. 100 lbs 8.68 - —

Corn dextrin in cotton bgs. 25c. per 100 lbs higher.

Potato, bgs. lb. .10¼- .11
Dextrose, USP, dms. lb. .17¾- —

Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 5.50
Di-sec-amyl phenol, dms., c.l., works lb. .20¼- —
l.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
Di-tert-amyl phenol, dms., c.l., works lb. .30¼- —
l.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
o-Dianisidine fib. dms lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works, lb. .89¾- .90
l.c.l., same basis lb. .90¼- .91
tanks, same basis lb. .88 - —
p-Dibromobenzene, bgs., 500-lb. lots lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd, E lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Sebacate, dms., c.l., works lb. .68 - —
l.c.l., works lb. .68½- .69
tanks, works, dlvd lb. .66 - .66½
Tartrate, dms., works, frt. alld lb. .64 - .71
Dibutylamine, dms., c.l., dlvd lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
Di-tert-butyl-p-cresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Dicapryl phthalate, dms., c.l., dlvd., works lb. .30½- .31½
l.c.l., same basis lb. .31½- .32½
tanks, same basis lb. .29½- —
Sebacate, dms., c.l., works lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
2,5-Dichloroaniline dms., works lb. .75 - .83
o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¼- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
p-Dichlorobenzene, dms., c.l., frt. alld. E lb. .16½- —
l.c.l., same basis lb. .19 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloropentanes, dist., dms., c.l., works lb. .05 - —
l.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works, lb. .51 - —
l.c.l., works lb. .51¾- —
tanks, works lb. .49¾- —
Dicyclohexyl phthalate, fib. dms., c.l., frt. alld., works lb. .58¼- .59
l.c.l., same basis lb. .59¼- .60
Dieldrin, dms., frt. alld lb. 1.80 - —
l.c.l., frt. alld lb. 1.85 - —
Diethanolamine, dms., c.l., dlvd, E, lb. .23¼- —
l.c.l., same basis lb. .27¼- —
tanks, same basis lb. .24½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks same basis lb. .45 - —
Ethanolamines, dms., c.l., dlvd lb. .67½- —
l.c.l., dlvd lb. .68½- —
tanks, dlvd lb. .65½- —
Oxalate, dms., c.l., frt. alld lb. .42 - —
l.c.l., same basis lb. .43 - —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd. lb. .28 - —
tanks, dlvd lb. .25 - —
Sulfate, dms., c.l., works lb. .18¾- —
l.c.l. works lb. .19¼- —
tanks works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50½- —
l.c.l., same basis lb. .51½- —
tanks, same basis lb. .48½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .51 - —
l.c.l., same basis lb. .52 - —
tanks, same basis lb. .50 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd, E, lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .14¾- —
Boriborate, dms., l.c.l. lb. .31 - —
Diethyl ether, dms., c.l., works, lb. .46½- —
l.c.l., works lb. .47 - —
Monobutyl ether, dms., c.l., works lb. .23¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½- —
tanks, dlvd. E lb. .28¼- —
Monoethyl ether, dms., c.l., dlvd, lb. .20¾- —
l.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .19½- —
Acetate, dms., c.l., works lb. .25¾- —
l.c.l., works lb. .27¼- —
tanks, dlvd. E lb. .25¼- —
Monomethyl ether, dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .18½- —
Diethylenetriamine, dms., c.l., dlvd, E, lb. .43 - —
l.c.l., same basis lb. .44 - —
tanks, same basis lb. .41½- —
Diethylstilbestrol, USP, bots., lb. kilo lots kilo 100.00 - —
1-kilo lot kilo 110.00 - —
Digitalis leaves, USP, dom., dms., lb. .90 - 1.10
Digitoxin, USP, bots gram. 5.00 - 5.50
Diglycol laurate, dms lb. .35 - .38
Oleate, dms lb. .31 - —
Stearate, dms lb. .26 - .27
Dihexyl sebacate, dms., c.l., works lb. .64 - —
l.c.l., works lb. .64½- .65
tanks, works lb. .62 - —
Dihydrazine sulfate, dms., works, lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .17 - —
Sulfate, bulk gram. .17 - —
2,2-Dihydroxy-5,5'-dichloro-diphenyl-methane, pure, dms lb. 2.80 - 3.00
tech., dms lb. 1.04 - 1.14
Di-isobutyl ketone, dms., c.l., dlvd, lb. .15½- —
l.c.l., dlvd lb. .16½- —
tanks, same basis lb. .13½- —
Phthalate, dms., c.l., dlvd, E lb. .31 - —
l.c.l., same basis lb. .32 - —
tanks, same basis lb. .29 - —
Di-isobutylene, dms., c.l., works lb. .10 - —
l.c.l., works lb. .11 - —
tanks, works lb. .08 - —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .32½- —
l.c.l., same basis lb. .33½- —
tanks, same basis lb. .30½- —
Sebacate, dms., c.l., works lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
Di-isopropylamine, dms., c.l., dlvd, E. of Rockies lb. .50 - —
l.c.l., same basis lb. .51 - —
tanks, same basis lb. .48 - —
Dillseed, dewhiskered, bgs. lb. .13 - —
nat., bgs. lb. .12 - —
Dimethyl anthranilate, cns lb. 5.25 - 5.75
Chloroacetal, dms., c.l., works lb. .45 - —
l.c.l., works lb. .50 - —
tanks, works lb. .40 - —
Dimethyl ethanolamines, anhyd., dms., c.l., dlvd. lb. 1.43 - —
l.c.l., dlvd lb. 1.45 - —
tanks, dlvd lb. 1.40 - —
70%, dms., c.l., dlvd., 100% basis lb. .68 - —
tanks, dlvd., 100% basis lb. .66 - —
Hydroquinone, dms lb. 1.70 - 2.75
Phthalate, dms., c.l., works lb. .29½- —
lb. .29½- —
l.c.l., works lb. .30½- —
tanks, dlvd. lb. .27½- —
Sebacate, dms., c.l., works lb. 1.27 - —
l.c.l., works lb. 1.28 - —
tanks, works lb. 1.25 - —
Sulfate, 55-gal., ret. dms., c.l., works lb. .15 - —
l.c.l. works lb .16 - —
10-gal. ret. dms., l.c.l., works, lb. .16½- —
Dimethylamine, 25% soln., dms., c.l., frt. equald lb. .42 - —
l.c.l., frt. equald lb. .42½- —
tanks, frt. equald lb. .33 - —
40% soln., dms., c.l., frt. equald lb. .39 - —
l.c.l., frt. equald lb. .39½- —
tanks, frt. equald lb. .33 - —
N,N-Dimethylaniline, dms., c.l., frt. alld lb. .29½- —
l.c.l., frt. alld lb. .30½- —
tanks, frt. alld lb. .28½- —
N,N-Dimethylformamide dms., works, lb. .35½- .36
tanks, works lb. .33 - —
2,4-Dinitroaniline, dms., frt. equald lb. .57 - —
m-Dinitrobenzene, 85°C., dms lb. .20 - —
89°C., dms lb. .22 - —
2,4-Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼- —
l.c.l., frt. alld. E lb. .15¾- —
tanks, frt. alld., E lb. .15 - —
2,4-Dinitrophenol, bbls. lb. .37 - —
2,4-Dinitrotoluene, oily, dms. lb. .10 - —
refd., 68°C., dms. lb. .21 - —
Dioctyl adipate, dms., c.l., works, lb. .44½- —
l.c.l., works lb. .45½- —
tanks, works lb. .42½- —

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SULPHUR • AMMONIA • NITRATE OF SODA • BICARBONATE OF SODA • CARBON DIOXIDE • SODIUM CHLORITE • CALCIUM HYPOCHLORITE
2903

Dioctyl phthalate, dms., c.l., frt. alld. lb. .32½- —
l.c.l., frt. alld. lb. .33½- —
tanks, frt. alld. lb. .30½- —
Sebacate, dms., c.l., works. lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works, dlvd. lb. .61 - .61½
Di-o-tolyguanidine, dms., ton lots, dlvd. lb. .57 - —
smaller lots, dlvd lb. .58 - —
1,4-Dioxane, dms., c.l., works. lb. .28¾- —
l.c.l. same basis lb. .29¼- —
tanks, same basis lb. .27 - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works. .35 - —
Dipentene, dest-dist., dms., c.l., works. gal. .405 - —
l.c.l., works gal. .455 - —
ex-whse gal. .57 - —
steam-dist., dms., c.l., works, South. gal. .64 - —
dlvd. N. Y. gal. .82 - —
tanks, works, South gal. .50 - —
Diphenyl, bbls., c.l., works. lb. .15 - —
l.c.l. works lb. .16 - —
Diphenyl in bags ¼c. lower.
Oxide, perfume grade, cns. lb. .54 - .61
Phthalate, dms., c.l., works. lb. .51¾- —
l.c.l., works lb. .53¾- —
Diphenylguanidine dms., ton lots lb. .48 - —
smaller lots lb. .49 - 50
Diphenylhydantoin-sodium, USP, dms. lb. 5.30 - 5.60
Dipropylene glycol, dms., c.l., frt. alld. lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .14¾- —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Divi-divi, 45% tannin, bgs., bls., c.l., U.S. ports, exdock ton 70.00 -72.00
Divinylbenzene, 20-25%, dms., c.l., works. lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, dms., c.l., works, 100% basis lb. 1.00 - —
l.c.l., works, 100% basis lb. 1.15 - —
Dodecylbenzene, dms., c.l., frt. equald. lb. .14½- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .12½- —

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots dlvd:—

Blue, FD & C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 17.00 -17.60
Green, FD & C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 22.20 -22.85
No. 3, cns. lb. 35.25 -35.90
Orange, FD & C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.65 - 4.75
Red, FD & C, No. 1, cns. lb. 7.55 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb. 22.20 -22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40
Violet, FD & C, No. 1, cns. lb. 17.00 -17.60
Yellow, FD & C, No. 1, cns. lb. 10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Black, D&C, No. 1, cns. lb. 10.95 - —
Brown, D&C, No. 1, cns. lb. 16.10 - —
Green, D&C, No. 5, cns. lb. 16.10 - —
No. 6, cns. lb. 16.10 - —
No. 7, cns. lb. 14.80 - —
Orange, D&C, No. 3, cns. lb. 10.95 - —
No. 4, cns. lb. 20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb. 20.70 - —
Red, D&C, No. 8, cns. lb. 2.85 - —
No. 9, cns. lb. 2.85 - —
No. 10, cns. lb. 2.30 - —
No. 11, cns. lb. 1.85 - —
No. 12, cns. lb. 2.65 - —
No. 17, cns. lb. 10.95 - —
No. 18, cns. lb. 24.00 - —
No. 19, cns. lb. 15.45 - —
No. 21, cns. lb. 3.60 - —
No. 22, cns. lb. 10.95 - —
No. 28, cns. lb. 24.65 - —
No. 33, cns. lb. 17.45 - —
Violet, D&C, No. 2, cns. lb. 16.10 - —
Yellow, D&C, No. 7, cns. lb. 10.95 - —
No. 10, cns. lb. 13.50 - —
No. 11, cns. lb. 13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Blue, Ext., D&C, No. 1, cns. lb 16.10 - —
Green, Ext., D&C, No. 1, cns. lb. 16.10 - —
Red, Ext., D&C, No. 1, cns. lb. 13.50 - —
Yellow, Ext., D&C, No. 1, cns. lib. 10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd, No.

20 Chrysoidine Y. lb. .74 - —
27 Fast light orange 2G. lb. .90 - —
31 Phloxine 2G. lb. .74 - —
36 Yellow 2G. lb. .83 - —
40 Orange II extra, conc. lb. 1.06 - —
57 Fuchsine 6B. lb. 1.06 - —
79 Scarlet 2R. lb. .81 - —
151 Orange AD. lb. .55 - —
161 Orange RR. lb. .66 - —
176 Fast red A. lb. .99 - —
179 Rubine XX, conc. lb. 1.14 - —
180 Blue F4B. lb. .92 - —
185 Brilliant scarlet 3RN, conc. lb. .93 - —
202 Chrome blue black, conc. lb. .75 - —
203 Chrome black T. lb. .78 - —
208 Fast blue SR. lb. .91 - —
216 Chrome red B. lb. .84 - —
234 Brown Y. lb. .98 - —
246 Blue black, extra, conc. lb. .95 - —
275 Milling red 3R, conc. lb. 2.03 - —
289 Navy blue 3R, conc. lb. 1.19 - —
299 Black F, conc. lb. 1.54 - —
304 Neutral black 2B, conc., 200% lb. 2.01 - —
326 Fast scarlet 4BNC. lb. 1.64 - —
332 Bismarck brown RX, conc. lb. .95 - —
365 Brilliant yellow, conc. lb. 2.57 - —
392 Scarlet B. lb. 1.82 - —
401 Diazo black BHD. lb. .69 - —
406 Blue 2B, extra conc. lb. 1.07 - —
419 Red FC, conc. lb. 1.12 - —
420 Brown M. lb. .98 - —
448 Red 4BX, conc. lb. 1.30 - —
conc lb. 1.50 - —
561 Brown B lb. 2.03 - —
518 Diamine sky blue FF, extra.
581 Direct black EB. lb. .94 - —
593 Green BY, conc. lb. .72 - —
596 Yellow Brown K, extra. lb. .91 - —
620 Yellow 2G. lb. 1.79 - —
640 Yellow XX. lb. 1.61 - —
655 Yellow OX. lb. 2.04 - —
657 Green V. lb. 2.10 - —
662 Brilliant green G. lb. 2.79 - —
667 Brilliant milling green 6B, conc. lb. 3.68 - —
671 Blue EG. lb. 1.70 - —
681 Crystal violet powder. lb. 2.15 - —
698 Violet 4BXN. lb. 1.74 - —
720 Brilliant blue BBG. lb. 1.88 - —
729 Blue B, conc. lb. 2.79 - —
749 Red BX. lb. 4.33 - —
814 Yellow NN, conc. lb. 3.11 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.

841 Safranine GF, extra, conc., lb. 3.17 - —
865 Nigrosine WSJ. lb. .75 - —
922 Blue GXX. lb. 1.71 - —
978 Black GXCF, conc. lb. .32 - —
1034 Alizarine red SC. lb. 2.59 - —
1054 Alizarine blue SAPX. lb. 2.91 - —
1078 Ailzarine green CG, extra, lb. 2.72 - —
1085 Alizarine blue, black, B lb. 2.33 - —
1096 Golden orange GFD, single paste lb. 1.99 - —
1099 Dark blue BO, single paste, lb. 1.75 - —
1101 Jade green N, double paste, lb. 1.98 - —
1106 Blue RS, double paste lb. 2.96 - —
1113 Blue BLFD, double paste. lb. 2.25 - —
1150 Olive R, single paste lb. 1.10 - —
1151 Brown R, single paste lb. 1.76 - —
1171 Indigo, synthetic, 20% paste lb. .31 - —
1217 Orange RD, single paste. lb. 1.65 - —
p-4 Brown PG. lb. 2.30 - —
p-24 Gray L. lb. 1.60 - —
p-14 Brown EB. lb. 1.51 - —
p-30 Diazo brilliant scarlet ROAD. lb. 2.79 - —
p-202 Diazo black VJ, conc. lb. 1.74 - —
p-244 Brilliant scarlet BN. lb. 1.31 - —
p-313 Naphthol SWF. lb. 2.42 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black blue No. 550. lb. .81 - —
Jet No. 551. lb. .89 - —
Brown R, conc. lb. 1.72 - —
Orange R, brilliant. lb. .90 - —
Red 4B, conc. lb. 1.37 - —
Yellow C. lb. 1.18 - —
FN, conc. lb. 1 22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works:—

Auramine O. lb. 1.85 - —
Black, basic blue. lb. 1.21 - —
Jet. lb. 1.21 - —
Blue, methylene, 2 B, conc. lb. 1.71 - —
Brown Bismarck R, conc. lb. .86 - —
Chrysoidine, R, extra. lb. .60 - —
Y extra. lb. .64 - —
Fuchsine, conc. lb. 3.08 - —
Green, malachite, conc. lb. 2.10 - —
Rhodamine, B. lb 4.55 - —
Safranine, Y, conc. lb 2.90 - —
Violet, methyl, B. lb. 1.10 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:—

Azo rubine R, extra conc. lb. 1.04 - —
Black, acid blue, B, extra. lb .86 - —
Fast light, 3 G, extra. lb. 2.04 - —
Methanil, conc. lb. .91 - —
Orange acid, Y, conc. lb. .47 - —
Scarlet croceine, MOO. lb. 1.45 - —
Yellow, azo, conc. lb. .90 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls. lb. 1.10 - —
Egg albumin (see Albumin).
Yolk, dried, dom., bbls. lb. 1.02 - 1.05
tanners, bbls. lb .06 - .06½
Elder flowers, bright, bls. lb. .35 - .40
Elm bark, grinding, bls. lb. .30 - .32
powd., bbls., bxs. lb. .45 - —
select, bundles. lb. .65 - —

Emetine hydrochloride, USP, bots oz. 32.95 -35.00
Ephedrine, syn., USP, anhyd., bots., 100-oz. lots oz. .98 - 1.00
hydrous, bots., 100-oz. lots oz. .92 - —
Hydrochloride, tins, 100-oz. lots. oz. .75 - —
Sulfate, cryst., tins, 100-oz. lots. oz. .72 - —
powd., tins, 100-oz. lots oz. .73 - —
Epichlorohydrin, dms., c.l., dlvd lb. .39 - —
l.c.l., dlvd lb. .40 - —
tanks, dlvd lb. .37 - —
Epsom salt (see Magnesium sulfate).
Epinephrine, syn., USP, bots., 100-gram lots gram .45 - .55
Ergosterol, unirradiated, cryst kilo. 150.00 - —
Ergot, NF, dms., tin-lined lb. 3.00 - —
Eserine salicylate, bots. oz. 35.75 - —
Sulfate, bots oz. 39.50 - —
Ether (see specific product).
Ethyl acetate, nat. ferment., 85-88%, dms., c.l., frt. alld lb. .13 - —
l.c.l., frt alld lb. .14 - —
tanks, frt alld lb. .11 - —
95-96%, dms., c.l., frt. alld. lb. .13¼- —
l.c.l., frt. alld. lb. .14¼- —
tanks, frt alld lb. .11¼- —
99%, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld. lb. .14½- —
tanks, frt. alld lb. .11½- —
syn., 85-98%, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd lb .11 - —
95-98%, dms., c.l., dlvd. lb. .13¼- —
l.c.l., dlvd. lb. .14¼- —
tanks, dlvd lb. .11¼- —
99%, dms., c.l., dlvd. lb. .13½- —
l.c.l., dlvd. lb. .14½- —
tanks dlvd lb. .11½- —

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IT'S THE LOWER COST of the manufactured *quality* product that counts . . . not the cost of the ingredients you use. That's why Michigan Chemical's Ethyl Bromide often is an economical intermediate to employ for the introduction of the ethyl radical. When combined with another intermediate, Ethyl Bromide can result in a higher yield of finished product with overall lower costs and higher production. Try it.

SPECIFICATIONS:

Specific gravity of material at 20°C. compared to that of water at 4°C.	1.450 to 1.465
Distillation range, 5 to 95% within	3°C.
Distillation range to include	38.4°C.
Acidity	Neutral
Color	Water white and clear

Michigan Chemical Corporation, for almost twenty years a quality producer of chemicals, offers a series of pure Bromides, among them being Ethyl Bromide, Monobromobenzene, Cyclopentyl Bromide and Hydrobromic Acid, specially made for use in pharmaceuticals. Write for further information or catalog.

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Ethyl Acetoacetate—Lavender Flowers

Ethyl acetoacetate, dms., c.l., dlvd. lb. .58 - —
l.c.l., dlvd. lb. .59 - —
tanks, dlvd. lb. .56 - —
Acrylate, dms., c.l., and truck load works lb. .44½ - —
less than truckload, works lb. .45½ - —
tanks, works lb. .42¾ - —
Aminobenzoate, USP (see Benzocaine).
Bromide, tech., 98%, dms., c.l., frt. alld. E lb. .41 - —
l.c.l., frt. alld. E lb. .43 - —
Butyl ketone, dms., c.l., works lb. .35½ - —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Butyrate, works lb. .80 - 1.02
Carbamate (see Urethane).
Cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, works lb. .70 - —
smaller lots, works lb. .72 - .80
vis., 10, 20, 50, 100, 150 cps., bgs., 2,000-lb. lots or more, works lb. .65 - .70
smaller lots, works lb. .67 - .81
Chloride, tech., cyl., works lb. .20 - .22
dms., works lb. .18 - .20
tanks, works lb. .10 - —
Cinnamate, cns. lb. 2.71 - 3.45
Ethanolamines, mixed, dms., c.l., frt. alld., E. Miss lb. .42½ - —
l.c.l., same basis lb. .43½ - —
tanks, same basis lb. .40½ - —
Ether, absolute, ACS, dms lb. .27 - —
anesthesia, USP, hospitals, 1-lb. cns lb. .89 - —
½-lb. cns lb. .97 - —
¼-lb. cns lb. 1.05 - —
Indust., dms., c.l., dlvd E lb. .12 - —
l.c.l., dlvd. E lb. .13 - —
tanks, dlvd E lb. .10 - —
Gallate, dms., 100 to 2,000-lb. lots lb. 3.90 - 4.40
Iodide, cbys., works lb 3.30 —
Methacrylate, dms., c.l., and less than truckload, works lb. .51½ - .52
Morphine hydrochloride, USP, bots oz. 11.85 - —
Nitrite (see Nitrous ether).
Oenanthate, dms. lb. 1.00 - 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate dist. (see Tetraethylorthosilicate).
40% available SiO_2, dms., dlvd. lb. .53½ - —
N-Ethyl-a-naphthylamine, dms., works, lb. 1.02 - —
N-Ethyl-o-toluidine, bbls lb. .88 - —
Ethylamine (see Mono, Di or Tri-).
N-Ethylaniline, dms., c.l., frt. alld. lb. .51 - —
l.c.l., frt. alld. lb. .52 - —
tanks, frt. alld. lb. .50 - —
Ethylbenzene, 99%, dms., c.l. lb. .19½ - .20¼
l.c.l. lb. .20½ - .21¼
tanks lb. .18½ - —
Ethylene dichloride, dms., c.l., dlvd. lb. .10¼ - —
l.c.l., same basis lb. .12¼ - —
tanks, same basis lb. .09 - —
Ethylene dichloride prices W. of Rockies 1c per lb higher.
Glycol, dms., c.l., dlvd. E lb. .14¾ - —
l.c.l., same basis lb. .15¾ - —
tanks, same basis lb. .13 - —
Monobutyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd E lb. .21 - —
tanks, dlvd E lb. .18½ - —
Glycol monoethyl, ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd. E lb. .21 - —
tanks, dlvd E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .18½ - —
l.c.l., dlvd E lb. .19½ - —
tanks, dlvd E lb. .16½ - —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd. E lb. .21 - —
tanks, dlvd E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .28¾ - —
l.c.l., dlvd. E lb. .29¼ - —
tanks, dlvd E lb. .27 - —
Monostearate, triple pressed, dms lb. .34 - —
Oxide, dms., c.l., dlvd. E lb. .21 - —
l.c.l., dlvd. E lb. .24 - —
tanks, dlvd. E lb. .15 - —
Trichloride (see Trichloroethane).
Ethylenediamine 85-88% dms., c.l., dlvd. E., 100% basis lb. .46 - —
l.c.l., dlvd. E., 100% basis lb. .47 - —
tanks, dlvd. E., 100% basis lb. .44 - —
Ethylvanillin, cns., 25-lb lots lb. 6.75 - 7.30
smaller lots lb 7.35 7 40
Eucalyptol, USP, cns., dms lb 1 40 1 50
Eugenol, USP, bots. lb 2.70 - 3.55
Euphorbia herb, bls lb. .15 - .17

F

Feldspar, 140-200 mesh, bulk, c.l., works ton 19.50 - —
Feldspar in bags $3 per ton higher
Fennel seed, Argentine, bgs lb. .11½ - —
Czech, medium, bgs lb. .11½ - —
Indian, light, bgs lb. .11½ - —
Fenugreek seed, Moroccan, bgs. lb. .07½ - —
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
soln., USP IX, cbys lb. .16 - —
dms. lb. .17 - —
Cacodylate, NF, bots lb 13.00 - 14.00
Chloride, anhyd., tech., dms., c.l., works 100 lbs 6.75 - —
l.c.l., works 100 lbs 8.00 - —
indust., cryst., bbls., c.l., works, 100 lbs. 4.75 - 5.25
l.c.l., works 100 lbs. 5.75 - 6.25
42° Be, cbys., c.l., works, 100 lbs. 7.25 - 8.25
tanks, frt. equald. 100% basis 100 lbs. 3.25 - —
USP cryst., dms., works lb .07½ - .09
Citrate, gran., dms. lb. .86 - —
Glycerophosphate NF, powd lb 4.75 - 4.85
Hydrophosphite, NF, dms lb. 3.45 - —
Naphthenate liq., 6% Fe., dms., frt. alld lb. .25¾ - —
Oxalate, gran., dms lb. .85 - .87
Phosphate, NF, soluble, gran., pearls or lb. .64 - .65
Pyrophosphate, NF VII, soluble, gran., pearls, dms lb. .78 - .81
Resinate, 6¾% Fe, dms., frt. alld. lb. .29 - —
Stearate, dms., c.l., frt. alld lb. .37 - —
l.c.l., frt. alld lb. .38 - .42
Sulfate, partially hydrated, bgs., c.l., works ton 31.75 - 33.75
l.c.l., works ton 34.75 - 40.75
Ferric-ammonium citrate, brown, NF, gran., dms lb. .59 - —
green, USP XII, gran., dms lb. .59 - —
Oxalate, fine gran., dms lb. .25½ - .28½
Ferric-potassium, oxalate, fine gran., dms lb. .30½ - .33½
Ferric-sodium oxalate, fine gran., dms lb. .25½ - .28½
Ferrous gluconate, NF, dms lb. .88 - —
Sulfate, gran., bgs., c.l., works, ton 34.50 - —
l.c.l., dlvd. Metropolitan area 100 lbs. 3.35 - 4.25
bbls., c.l., works ton 40.00 - —
bulk, c.l., works ton 27.00 - —
USP, cryst., bbls., dms lb. .09½ - .10
Fir balsam, Canada, cns gal. 34.00 - 35.00
Oregon, bbls gal. 3.00 - —
Fishliver oil (see Oil fishliver).
Fishmeal, menhaden, ground, domestic, 60% protein, bags, Balto area ton. 150.00 Nom.
Fishscrap, menhaden, dried, 60% protein, bgs., Balto area ton. 145.00 Nom.
Formaldehyde, NF, 37%, (inhibited), Zone 1, dms., c.l., dlvd lb. .0585 - .062
l.c.l., dlvd lb. .037 - —
tanks, dlvd lb. .033 - —
Zone 2, dms., c.l., dlvd lb. .065 - —
tanks, dlvd lb. .0420 - —
methanol-free (uninhibited), Zone 1, tanks, dlvd lb. .03 - —
Zone 2, tanks, dlvd lb. .0395 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls lb. .60 - .61
Fuller's earth, bgs., c.l., Ill. mines, ton. 19.00 - —
powd., insecticide grade, dried, bgs., c.l., Ga. or Fla. mines ton. 17.50 - —
calcined, bgs., c.l., same basis ton. 20.00 - 21.75
oil-bleaching grade, 100-mesh, bgs., c.l., same basis ton. 16.50 - 17.00
200-mesh, bgs., c.l., same basis ton. 17.50 - 18.00
spent bgs., c.l., shipt point ton. 4.50 - 5.00
Furfural, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - —
tanks, dlvd. E lb. .12 - —
dlvd. W lb. .13 - —
Fusel oil, refd., dms., c.l., dlvd lb. .17½ - .22
l.c.l., dlvd lb. .18½ - .23
tanks, dlvd lb. .15 - .20
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½ - —
No. 2, bbls., l.c.l lb. .45½ - —
No. 3, bbls l.c.l lb .43½ - —
liq., No. 1, bbls., l.c.l. lb. .22½ - —
No. 2, bbls l.c.l lb .21½ - —
No. 3, bbls., l.c.l lb. .19 - —
solid, No. 1, bxs., l.c.l. lb. .45 - —

G

G salt, 100% basis, bbls. frt alld lb. .73 - —
Gammapicoline (see g-Picoline).
Gelatin, edible, pure (pork skin), 75 Bloom test, bbl., c.l. lb. .53 - —
150 Bloom test, bbl., c.l. lb. .64 - —
200 Bloom test, bbl., c.l. lb. .71 - —
225 Bloom test, bbl., c.l. lb. .74 - —
275 Bloom test, bbl., c.l. lb. .81 - —
Gelsemium root, bls lb. .23 - .24
Gentian root, bls lb. .17 - .20
grd., bbls., bxs lb. .22 - .23
powd. bbls., bxs lb. .23 - .24
Geraniol, extra, cns., dms lb. 1.90 - 2.20
standard, cns., dms lb. .60 - 1.00
Geranyl acetate, cns lb. 1.45 - 2.20
Ginger, oleoresin, NF, from African root, bots lb 4.00 - 7 75
from Jamaican root, bots lb. 6.00 - 10.25
Root, African, bls lb. .32 - —
Jamaica, No. 1, bgs lb. No prices.
No. 2, bgs lb. .36 - —
No. 3, bgs lb. .35 - —
Nigerian, split, bgs lb. 27 - —
Glauber's salt, anhyd. (see Sodium sulfate).
Glue, bone, extracted, 86 jellygrams, bgs., c.l., dlvd lb. .17 - —
104 jellygrams, same basis lb. .19 - —
131 jellygrams, same basis lb. .21 - —
164 jellygrams, same basis lb. .23 - —
191 jellygrams, same basis lb. .25 - —
222 jellygrams, same basis lb. .26 - —
packers' 40 jellygrams, bgs., c.l., dlvd lb. .15½ - —
65 jellygrams, same basis lb. .16½ - —
86 jellygrams, same basis lb. .17 - —
115 jellygrams, same basis lb. .17½ - —
135 jellygrams, same basis lb. .18½ - —
164 jellygrams, same basis lb. .19½ - —
renderers' 100 jellygrams, bgs., c.l., dlvd lb. .15 - —
Bone glue, l.c.l., prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .18 - —
95-121, bgs., c.l., dlvd lb. .20 - —
122-149, bgs., c.l., dlvd lb. .22 - —
150-177, bgs., c.l., dlvd lb. .24 - —
178-206 bgs., c.l., dlvd lb. .26 - —
207-236, bgs., c.l., dlvd lb. .28 - —
237-266, bgs., c.l., dlvd lb. .30 - —
267-298, bgs., c.l., dlvd lb. .32 - —
299-330, bgs., c.l., dlvd lb. .34 - —
331-362, bgs., c.l., dlvd lb. .36 - —
363-394, bgs., c.l., dlvd lb. .37 - —
395-427 bgs., c.l., dlvd lb. .39 - —
428-460, bgs., c.l., dlvd lb. .39 - —
461-494, bgs., c.l., dlvd lb. .40 - —
495-529, bgs., c.l., dlvd lb. 41 - .42
Hide glue l.c.l. prices 1c. higher.
Glycerine, nat., crude, saponification, 88%, to refineries, tanks, works lb. .23 Nom.
soaplye, 80%, tanks, works lb .21 Nom.
refd., BP, 98%, dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
dynamite, dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
high gravity, dms., c.l., dlvd. lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
USP, CP, 95%, dms., c.l., dlvd. lb. .29½ - —
l.c.l., dlvd lb. .30 - —
tanks, dlvd lb. .29 - —
yellow, distilled, dms., c.l., dlvd lb. .30 - —
l.c.l., dlvd lb. .30½ - —
syn., dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
Glycine (see Acid aminoacetic).
Glycerol (see Glycerine).
Glyoxal, 30%, dms., c.l., works lb. .18½ - —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots oz. 22.50 - 23.00
acid-yellow, bots oz. 20.00 - 20.50
Golden seal root, NF, tested, bls. lb 2.25 - 2.50
powd., bxs lb. 2.75 - 3.25
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .06 - .09½
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, tanks, dlvd lb. .03¾ - —
house, tanks, dlvd lb. .07½ - —
white, choice, not all hog, tanks, dlvd lb. .07¾ - —
yellow, tanks, dlvd lb. .07¾ - —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs, works, lb. 5.10 - —
tungstated, PTMA, kgs., works lb. 6.00 - —
Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis lb. .38 - —
16-30%, bbls., same basis lb. .39 - —
31-45%, bbls., same basis lb. .40 - —
45-49%, bbls., same basis, lb. .43 - —
50%, bbls. same basis lb. .48 - —
reduced color, 25%, bbls., same basis lb. .19 - —
Chrome green prices are ½c. higher, dlvd., at the following points, except as noted:—Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., dms., c.l., frt. alld lb. 1.00 - 1.10
pure, bgs., c.l., frt. alld lb. .59¼ - —
l.c.l., same basis lb. .39¼ - —
Dyes (see Dyes, coaltar)
Malachite, straight, PTMA, bbls., works lb. 4.60 - —
Paris (see Paris green)
Phthalocyanine toner, bbls., works, lb. 3.95 - —
resinated, bbls lb. 3.50 - —
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
paste, kegs lb. .38 - —
Grindelia robusta herb, bls lb. .38 - .40
Guaiacol, NF, cryst., dms., tins lb 2.10 - 2.15
liq., cbys., dms lb 2.30 - 2.40
Carbonate, NF VII, dms lb. 3.40 - 3.45
Gum, aloe (see Aloe).
Arabic, amber, sorts, bgs lb. .23 - .25
powd., USP, bbls lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .38 - .42
Camphor (see C).
Cellulose high vis., bgs., 23,000-lb. lots or more, works, frt. alld. lb. .55 - —
smaller lots, same basis lb. .57 - —
Copal, Congo, No. 1, bgs lb. .21 - .23
No. 2, bgs lb. .18½ - .20
No. 3, bgs lb. .16½ - .18
Manila C, bgs lb. .42 - .44
CBB, bgs lb. .35 Nom.
DBB, bgs lb. .29 - .32
DK, bgs lb. .22 - .24
dust, bgs lb. .12 - .13
MA, soft, bgs lb. .21½ - .22½
WS, bgs lb. .34 - .36
Philippine, pale, chips, bgs lb. .24 - .25
nubs, bgs lb. .32 - .36
seeds, bgs lb. .19 - .21
sorts, bgs lb. .21½ - .23½
Pontianak, chips, bgs lb. .25 - —
nubs and chips, bgs lb. .08 - —
Dammar, Batavia, A E, cs lb. .27 - .29
dust, bgs lb. .16½ - .17½
E, bgs lb. .20 - .22
East India, batu, bold, bgs lb. .14 - .15½
nubs and chips, bgs lb. .07½ - .09
Dammar, East India, black, bold, bgs lb. .14 - .16
unscraped, bgs lb. .11 - .13
nubs and chips, bgs lb. .11 - .13
pale, chips, bgs lb. .13½ - .14½
nubs, bgs lb. .18 - .20
Siam, cs lb. .35 - .37
Singapore, No. 1, bgs lb. .40 - .42
No. 2, bbls lb. .27 - .29
No. 3, bbls lb. No Stocks
dust, bgs lb. .16½ - .17
seeds, bgs lb. .20 - .22
Ester, gum-rosin type, dms., c.l., dlvd. fill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .15½ - —
wood-rosin type, dms., c.l., same basis lb. .15 - —
Karaya, No. 1, NF, powd., bbls lb. .48 - .50
No. 2, powd., bbls lb. .36 - .38
No. 3, powd., bbls lb. .30 - —
Locust bean, powd., bgs lb. .31 - .33
Myrrh, cs lb. .38 - .40
Opium (see O).
Olibanum siftings, cs lb. .15 - .20
tears, cs lb 22 - 30
Rosin (see Naval Stores, Protective Coatings Market).
Sterculia (see Gum Karaya).
Tragacanth, No. 1, ribbons, cs lb 2.95 - 3.00
No. 2, cs lb. 2.55 - 2.60
No. 3, cs lb. 1.75 - 1.80
powdered, USP, bbls lb. 1.25 - 1.35
Gypsum, plaster of paris, 100-lb. paper, bgs., trucks, dlvd. N. Y. C ton 20.30 - —
terra alba, dom., same basis ton. 19.00 - —
works, N. Y. C. ton. 16.00 - —
imp., English, 100-lb. paper bags, ex dock, N. Y. C. ton 55.00 - —
ex warehouse ton. 60.00 - 62.00

H

Hawthorn berries, bgs. lb. .28 - .32
Heliotropin, cryst., cns lb. 3.50 - 4.25
Hellebore root dom. green, bls lb. .55 - .65
Helonias root, bls lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bbls., l.c.l. lb. .47 - —
No. 2, bbls., l.c.l. lb. .43 - —
No. 3, bbls., l.c.l. lb. .41 - —
No. 4, bbls., l.c.l. lb. .39 - —
No. 5, bbls., l.c.l. lb. .37 - —
paste, No. 1 bbls., l.c.l. lb. .20½ - —
Henbane leaves, bls lb. .35 - .40
Heptane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .14¾ - —
Borger, Tex gal. .14¾ - —
Hesperidin methylphalcone, bots., works lb 50.00 - —
Hexachlorophene, dms lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N.Y.C. lb. .232 - —
smaller lots, same basis lb. .242 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .239 - —
smaller lots, same basis lb. .249 - —
USP, dms., 500-lb. lots or more, same basis lb. .40½ - —
smaller lots, same basis lb. .41½ - —
Hexamine (see Hexamethylenetetramine).
Hexane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .13½ - —
Borger, Tex gal. .13½ - —
1-Hexanol, dms., c.l., works lb. .34½ - —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.50 - 7.50
Salicylate, dms lb. 1.75 - —
Hexylene, glycol, dms., c.l., dlvd lb. .16 - —
l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .14 - —
n-Hexyl methacrylate, dms., less than truckload, works lb. .71 - —
Hexylresorcinol, USP, dms., 50-lb. lots or more, dlvd lb. 14.00 - —
smaller lots, dlvd lb. 14.50 - —
Histamine diphosphate, USP, bots. kilo 456.00 - —
l-Histidine hydrochloride, NF, fib. dms., 50-kilo lots, works, kilo 80.00 -85.00
1-5 kilo lots, works kilo. 90.00 -95.00
Homatropine hydrobromide, USP bots oz 9.35 -10.60
Methylbromide, USP, bots oz. 8.50 - 9.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.00 - —
Horehound herb, bls lb. .16 - .19
Hoseine salts (see Scopolamine).
Hydrastine bots oz. 29.50 -31.00
Hydrochloride, NF, bots oz. 29.50 -31.00
Sulfate, bots oz. 25.00 -37.00
Hydrastinine 10-grain bots bot 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Lake Charles, La lb. 3.00 - 3.30
Hydrate, 100%, ret. dms., Lake Charles, La lb. 1.60 - 1.90
85%, ret. dms., same basis lb. 1.35 - 1.55
Hydrocortisone acetate, bulk, bots., dms gram. 6.00 - —
alcohol, bulk, bots., dms gram. 6.00 - —
Hydrofuramide, dms., fib. cans., works lb .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyls., c.l., works lb. .45 - —
l.c.l., works lb. .55 - .60
Fluoride anhyd., cyls., dlvd. E lb. .30½ - .32½
cyls., dlvd. W lb. .39 - —
tanks, works lb. .21 - —
Peroxide USP bots dlvd lb 03¾ .05
35%, cbys., c.l., dlvd lb. .228 - —
dms., c.l., dlvd lb. .202 - —
l.c.l., dlvd. lb. .211 - —
tanks, dlvd. lb. .1800 - —
Hydroquinone photo grade bbls. dms. lb. .98 - 1.00
tech., dms., c.l., dlvd lb. .77½ - —
l.c.l. same basis lb. .79½ - —
Hydroxycitronellal, cns lb. 5.10 - 6.00
Hyoscyamine, bots oz. 15.75 -16.00
Hydrobromide, bots oz. 11.00 -12.00
Sulfate, bots oz. 10.50 -11.50
Hypernic extract, cryst., No. 2, bbls., l.c.l. lb. .52 - —
liq., No. 1, bbls., l.c.l. lb. .35 - —
No. 2, bbls., l.c.l. lb. .27 - —

I

Ichthammol, NF, dms lb. .60 - .75
Indian red (see Red, Indian).
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indole, CP, bots lb. 17.00 -21.00
Inositol, bbls lb 5.00 - —
cms., dlvd lb. 4.50 - 4.75
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.45 - —
resub. USP, jars, dms lb. 2.30 - 2.32
Iodochlorohydroxyquinolin, USP, dms lb. 5.90 - —
Iodoform, NF, dms., kgs lb 4.90 - 5.00
a-Ionone, cns lb. 6.55 - 6.85
6.80 -11.25
b-Ionone, cns lb. 4.30 -11.25
Methyl (see under M)
Ipecac, root, bgs lb. 8.00 - 8.25
powd., bbls., bxs lb. 8.50 - 8.75
Irish moss, bleached, prime, bls lb. .30 - .35
Iron Compounds (see Ferric or Ferrous).
Isoborneol, cns lb. 1.25 - 1.70
Isobornyl acetate, cns lb. .62 - .95
formate, dms. lb. 80 - —
Propionate, dms lb. 1.15 - 1.45
Isobutyl acetate, perfume grade, cns lb. .75 - 1.00
solvent grade, dms., c.l. dlvd E. of Rockies lb. .13¼ - —
l.c.l., same basis lb. .14¼ - —
tanks, same basis lb. .11¼ - —
Isobutyraldehyde, CP, dms., c.l., dlvd lb. .27½ - —
l.c.l., dlvd lb. .28½ - —
tech., dms., c.l., dlvd lb. .21½ - —
l.c.l., dlvd lb. .22½ - —
tanks, dlvd lb. .19½ - —
Isoeugenol, cns lb. 3.45 - 4.25
Isoniazid, powd., bulk, 25-kilo lots or more kilo. 23.00 -25.50
smaller lots kilo. 24.00 -26.00
Isopentane, comi. grade, tanks, f.o.b. Tex. refy gal. .15½ - —
Isonicotinic acid hydrazide (see Isoniazid).
Isophorone, dms., c.l., works lb. .24¼ - —
l.c.l., works lb. .24¾ - —
tanks, works lb .22½ - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., dvld. lb. .12 - —
l.c.l., same basis lb. .13 - —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether, dms., c.l., dlvd lb. .07 - —
l.c.l., dlvd lb. .08 - —
tanks, dlvd lb 05 - —
Isopropylamine (see Mono, Di, or Tri-).
Isoquinoline, dms., works lb. .65 - 1.25

J

Jalap root, NF, bls lb. .38 - .55
powd., bbls., bxs lb. .49 - .66
Juniper berries, bgs lb. .18 - .20
Tar, NF, dms lb. .42 - .60

K

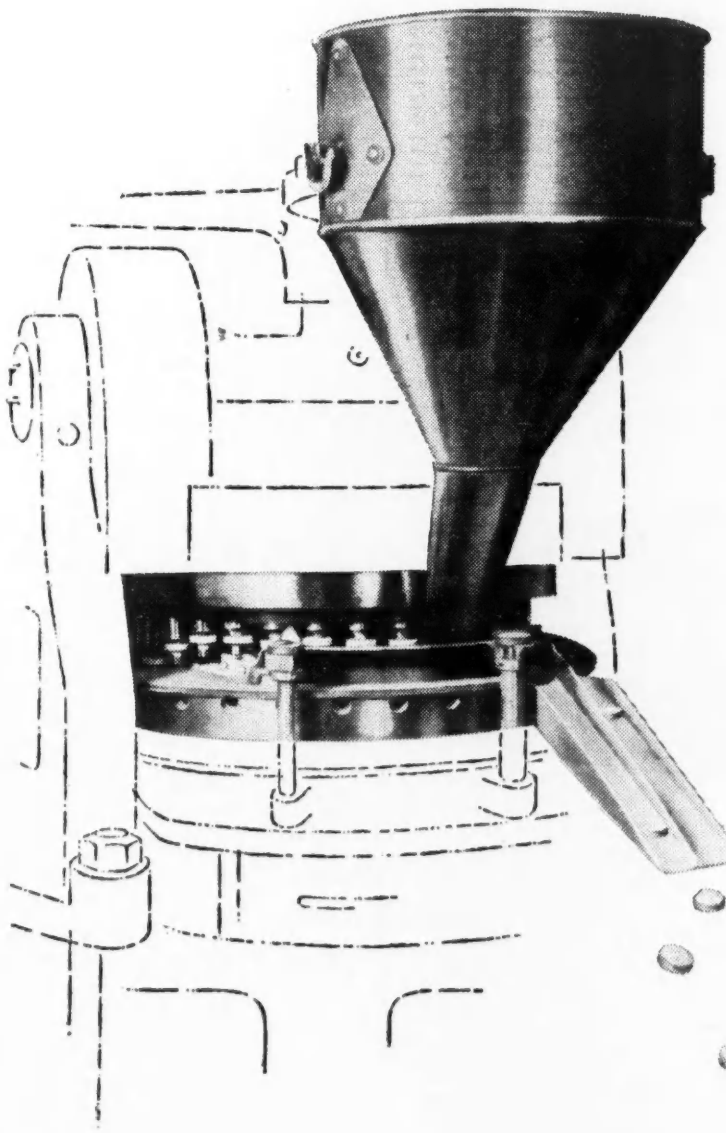
Kaolin (see also Clay China).
NF, powd., fib. dms lb. .08 - .16½
collodial, fib. dms lb. .15 - .15½
Kola nuts, bgs lb. .12 - —

L

Lactose, crude, bgs., c.l., works lb. .15 - —
edible, fib. dms., 30,000-lb. lots, works lb. .22 - —
2,000-lb. lots, works lb. .22¾ - —
200-1,800-lb. lots, works lb. .23¼ - —
Edible lactose in bgs., 1c. lower.
USP, fib. dms., 30,000-lb. lots, works lb. .24 - —
2,000-lb lots, works lb. .24¾ - —
200-1,800-lb. lots, works lb. .25¼ - —
USP lactose in bgs., 1c. lower.
Lady's slipper root, bls lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works lb. .28 - .30
USP, anhyd., dms., works lb. .26 - .28
hydrous, dms., works lb. .25 - .27
Lard, cash, dms., Chicago lb. .1300 - —
Larkspur seed, bgs lb. .20 - .23
Lauryl chloride, dist., dms. c.l., works, frt. equald lb. .74 - —
l.c.l., same basis lb .75 - —
Methacrylate, normal, dms., c.l. or truckload lb. .65½ - —
Lavender flowers, medium, bls lb. .55 - .60
ord., bls lb. .16 - .20
select, bls lb. .90 - —

Mallinckrodt **magnesium trisilicate**

simplifies production problems



Pharmaceutical manufacturers, in using Mallinckrodt **Magnesium Trisilicate,** find these advantages: (1) controlled bulk assuring dependable density which results in less computation, (2) high acid adsorbent capacity, (3) uniform white color, (4) free-flowing qualities, (5) uniform particle size, (6) consistent smoothness.

Magnesium trisilicate is an ideal antacid because it is inexpensive, tasteless, non-astringent, neither constipating nor laxative in therapeutic doses, and does not produce alkalosis.

Why three forms? Mallinckrodt **Magnesium Trisilicate USP** is supplied in *powder* form designed for use in manufacture of capsules, powders, tablets and wafers; in *bulky* form for colloidal creams, powders and suspensions; and in *special bulky* form for suspensions, colloidal creams and powders.

whatever your chemical needs...

You can depend upon Mallinckrodt to supply quality chemicals *promptly* and in a *controlled physical form* to meet your specifications. This reputation has been earned over a period of 88 years of consistent *service* to pharmaceutical manufacturers. Call or write us about your chemical requirements.

PRIME PRODUCER OF CHEMICALS FOR THE PHARMACEUTICAL INDUSTRY

Mallinckrodt® Since 1867

Mallinckrodt Chemical Works

Mallinckrodt Street, St. Louis 7, Mo....72 Gold Street, New York 8, N. Y.

Chicago • Cincinnati • Cleveland • Los Angeles • Philadelphia

San Francisco • Montreal • Toronto

Lead Acetate—Magnesium Oxide

Lead acetate, white, cryst., bbls lb. .23 - —
gran, bbls lb. .22 - —
powd., bbls lb. .23 - —
NF, cryst., gran., powd lb. .31 - .32
Arsenate, acid powder, dealers, 3-lb. bgs, or larger, c.l., frt. alld. on 96 lbs. or more lb. .27½- —
l.c.l., frt alld lb. .28½- —
1-lb bgs., c.l. lb. .41½- —
l.c.l. lb. .42½- —
Blue, basic sulfate, bbls., c.l., shipt. point, frt. alld lb. .15¾- —
l.c.l., same basis lb. .16¾- —
Carbonate (see Lead, white).
Chloride, dms. lb. .45 - —
Iodide, NF, V jars lb. 3.82 - —
Linoleate, fused, 26% Pb, dms. lb. .33 - —
Metal, pigs, prime, N. Y. lb. .15 - —
St. Louis lb. .1480- —
Metallic paste, dms., 20,000-40,000-lb. lots, works lb. .33¾- —
10,000-20,000-lb. lots, same basis lb. .34¾- —
2,000-10,000-lb. lots, same basis lb. .35¼- —
200-2,000-lb. lots, same basis, lb. .35¾- —
Prices ex whse, Jersey City, N. J., 4½c per lb. higher
Monosilicate, bgs., c.l., works, frt. equald lb. .1580- —
l.c.l., same basis lb. .1630- —
Naphthenate, liq., 16% Pb, dms., dlvd lb. .17¼- —
24% Pb, dms., dlvd lb. .23¾- —
solid, 37% Pb., dms., dlvd lb. .31¼ —
Nitrate, bbls lb. .22¼- —
Lead orthosilicate gel., 50%, Pb_3O_4, dms., works lb. .32¾- —
60% PbO, dms., works lb. .51½- —
Peroxide, tech., powd., bbls lb. .38¾- .40¼
Phthalate, dibasic, dms., works lb. .41 - —
Red, 95%, Pb_3O_4, or less, bbls., c.l., works, frt. equald lb. .17½- —
l.c.l., same basis lb. .18 - —
97% Pb_3O_4, bbls., c.l., same basis lb. .17¾- —
l.c.l., same basis lb. .18 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½- —
Resinate, precip., 23% Pb, dms., dlvd lb. .31 - —
Salicylate, normal, dms., works lb. .46 - —
Sulfate (see Lead, blue, basic sulfate, Lead, white, basic sulfate).
Tallate, liquid, 16% Pb, dms lb. .15¼- —
24% Pb, dms lb. .20¼- .20½
White, basic carbonate, bgs., c.l., shipt. point, frt. alld lb. .17½- —
l.c.l., same basis lb. .18½- —
basic silicate, bgs., c.l., shipt. point, frt. alld lb. .16 - .19¼
l.c.l., same basis lb. .17 - .20¼
basic sulfate, bgs., c.l., shipt. point, frt. alld lb. .15¾- —
l.c.l., same basis lb. .16¾- —
Lecithin edible, tech., bleached, non-ret, dms., c.l., works lb. .15 - .17
l.c.l., same basis lb. .15½- .17½
unbleached, non-ret, dms., c.l., same basis lb. .13 - .15
l.c.l., same basis lb. .14½- .16½
dl-Leucine, dms., works lb 12.25 -15.00
Licorice root, whole, bbls. lb. .08 - .12
gran., bbls. lb. .12 - .17
powd., bbls. lb. .10 - .15
Lignosulfonate, 70% tannin, bgs., c.l., works lb. .06½- —
l.c.l., works lb. .06¾- —
Lime, agricultural, bulk, works ton 14.50 - —
Chemical (quicklime), lump, pcb-ble, bulk, Adams, Mass ton 12.50 - —
Annville, Pa ton 11.50 - —
Austin, Texas ton 9.50 - —
Bellefonte, Pa. ton 11.50 - —
Buffalo N Y ton 14.00 - —
Cedar Hollow Pa ton 11.50 - —
Duluth, Minn. ton 13.50 - —
El Paso, Texas ton 14.00 - —
Farnams, Mass ton 14.00 - —
Gibsonburg, Ohio ton 12.50 - —
Hannibal, Mo ton 10.00 - —
Keystone Ala ton 10.25 - —
Kimballon, Va ton 10.25 - —
Knoxville Tenn ton 10 50 - —
Lee, Mass. ton 12.50 - —
Lewisburg, Ohio ton 10 00 - —
Limedale, Ark ton 11.00 - —
Los Angeles Cal ton 25 10 -26 88
Marble Cliff Ohio ton 10 00 - —
Martinsburg, W. Va. ton 11.00 - —
McNeil, Tex. ton 11.00 - —
Mosher, Mo. ton 11.25 - —
Nelson, Ariz. ton 14.50 -23.65
Quincy, Ill. ton 10.00 -13.00
Reddick Fla ton 13.50 - —
Scotrock, Ala. ton 10.25 - —
Springfield, Mo ton 11.25 - —
Winooski Vt ton 15.50 - —
Woodville Ohio ton 11 50 - —
York, Pa ton 15.50 - —
Hydrated, paper bgs., Adams, Mass ton 15.50 - —
Annville, Pa ton 14.50 - —
Austin, Texas ton 13 00 - —
Bellefonte, Pa ton 14 50 - —
Lime, hydrated, paper bgs., Buffalo, N. Y. ton 16.00 - —
Cedar Hollow, Pa ton 14.00 - —
Chicago, Ill ton 15.00 - —
Duluth, Minn. ton 15.00 - —
El Paso, Texas ton 17.50 - —
Engle W Va ton 14.50 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton 16.50 - —
Hannibal, Mo. ton 12.00 - —
Keystone, Ala. ton 13.50 - —
Kimballton Va ton 13 50 - —
Knoxville, Tenn. ton 13.00 - —
Lee, Mass ton 15.50 - —
Lewisburg, Ohio ton 14 00 - —
Limedale, Ark ton 13.50 - —
Marble Cliff, Ohio ton 13 50 - —
McNeil, Tex. ton 14.50 - —
Meneminee, Mich. ton 14 00 - —
Mosher, Mo. ton 13.50 - —
North Tazewell, Va. ton 12.75 - —
Quincy, Ill. ton 10.00 -12.00
Reddick, Fla ton 16 00 - —
Scotrock, Ala ton 13 50 - —
Springfield, Mo. ton 13.50 - —
Winooski, Vt ton 15.50 - —
Woodville, Ohio ton 14 50 - —
York, Pa ton 14 50 - —
Spray, paper bgs., Adams, Mass. ton 17.00 - —
Annville, Pa ton 17 00 - —
Austin, Texas ton 13 00 - —
Bellefonte, Pa. ton 17 50 - —
Carey, Ohio ton 11 00 - —
Duluth, Minn. ton 17.50 - —
Engle, W. Va. ton 14 50 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton 16.50 - —
Keystone, Ala. ton 13.50 - —
Kimballton Va ton 13 50 - —
Lee Mass ton 17 00 - —
Lewisburg, Ohio ton 16 00 - —
Marble Cliff, Ohio ton 16 00 - —
McNeil, Tex. ton 16.00 - —
Meneminee, Mich ton 14 00 - —
Mosher, Mo. ton 13.50 - —
North Tazewell, Va ton 12 75 - —
Reddick, Fla. ton 16.00 - —
Rockland, Me ton 10.00 - —
Springfield, Mo. ton 13.50 - —
Scotrock, Ala. ton 13.50 - —
Winooski, Vt. ton 17.00 - —
Woodville, Ohio ton 16 50 - —
York, Pa ton 15 50 - —
Lime salts (see Calcium).
Lime-ammonia nitrogen 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 4.00
Linalool, ex bois de rose oil, dms. lb. 7.35 - 7.65
ex lignaloe wood oil, dms lb. 5.30 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms. lb. 6.75 - 7.05
96-98%, dms lb. 6.75 - 7.15
ex petitgrain, bots lb. 3.90 - 5.25
Lindane, 25% formulation, dealers, dms., works lb. 1.58 - —
99%, tech., dealers, dms., dlvd., lb. 3.10 - —
Linden flowers with leaves, bls lb. .34 - .35
without leaves, bls lb. 40 - .41
Linseed meal, expeller 32-34% bulk, Midwest, mills ton. 72.00 -73.00
extracted, 36% bulk, same basis, ton. 68.00 - —
Litharge, coml., powd., bbls., c.l., works, frt. equald lb. .16½- —
l.c.l., same basis lb. .17 - —
Lithium benzoate dms lb 1.65 1.67
Bromide, NF, dms., works, frt. equald lb. 2.16 - —
Carbonate, NF, c.l., works, or dlvd. lb. 1.42½- —
l.c.l., same basis lb. 1.43½- 1.48½
tech., c.l., works, or dlvd lb. .95 - 1.00
l.c.l., same basis lb. 1.00 - 1.20
Chloride, CP, anhyd., ton lots lb. 1.28½- —
tech., cryst., dms lb. 1.10 - 1.25
Citrate, NF, dms lb. 1.60 - 1.64
Fluoride, bbls., 10,000-lb. lots, dlvd. lb. 2.17½- —
ton lots, dlvd lb. 2.18½- —
less ton lots, dlvd lb. 2.23½- —
Hydride, powd., dms., works lb. 15.00 - —
Hydroxide, monohydrate, dms., c.l., t.l., dlvd lb. .97½- —
l.c.l., 1-ton lots or more, lb. .93 - .98½
Manganite, dms., works lb. .95 - 1.15
Nitrate, dms., 100-lb. lots lb. 2.25 - —
Salicylate, dms lb. 1.60 - 1.70
Silicate, dms., works lb. 1.10 - 1.30
Sulfate, dms., 100-lb. lots lb. 1.45 - —
Titanate, dms., works lb. 1.15 - 1.35
Lithopone, ord., bgs., c.l., dlvd lb. .07½- —
l.c.l., dlvd. lb. .08¼- .08½
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Lobelia herb, bls lb. 1.25 Nom.
Lobeline sulfate, bots., works oz. 29.50 -33.50
Logwood extract, cryst., No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls l.c.l. lb. .39 - —
liq., No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls. l.c.l. lb. .19 - —
No. 3, bbls l.c.l. lb. .18½- —
solid, No. 1, l.c.l. lb. .35 - —
Lycopodium, cs lb 1.50 - —
dl-Lysine hydrochloride, bots kilo. 140.00 -150.00

M

Mace, Siauw, No. 1, bls. lb. 1.40 - —
West Indian, No. 1, bls lb. 1.40 - —
Magnesia, calcined, tech., bgs., cns., works lb. .25¼- 26
syn. rubber grade, light, bgs., c.l., works lb. .29¼- —
l.c.l., works lb. .30 - —
extra light, works lb. .29¼- .30
USP, light, cns lb. .35 - .36
heavy, bbls lb. .36 - .38
Magnesite, chemical grade, calcined, powd., bgs., c.l., works, frt. equald ton. 82.50 - —
dead-burnt, standard grain, bulk, c.l., Chewalah, Wash ton. 38.00 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .10½- —
truckloads, frt. equald lb. .11 - —
l.c.l., frt. equald lb. .12 - .13
USP, bgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. equald lb. .13½- —
Above prices are quoted f.o.b. works, freight equalized with metropolitan New York and competitive producing points.
Chloride anhyd., 92% flake or pebble, dms., c.l., works, lb. .12¾- —
l.c.l., same basis lb. .14 .15
hydrous, 99% flake, bgs., c.l., works ton. 50.00 - —
l.c.l., bgs ton. 55.00 -105.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.40 - 5.50
Hydroxide, NF, medicinal, bbls., dms. kgs lb. 26½ .30
Metal, 99.8% ingots, cs., works lb. .27 .2820
sticks, cs., works, frt. alld. on carlots lb. .46 .48
Oxide (see Magnesia, calcined).

NEW

For the first time in extremely high purity

in carload quantities

INTERNATIONAL

magnesium oxide

99.5+% MgO

Magnesium Oxide of high purity, 99.5+% MgO (ignited basis), is now being produced in several grades and in large tonnages by *International*. Prompt shipments of carload lots can be made from the new chemical plant at the Carlsbad, New Mexico, potash mine and refinery.

New facilities have been completed to produce *Magnesium Oxide* synthetically by direct decomposition of magnesium chloride under controlled reaction. For the first time, because of this new process, it is now possible to offer industry this basic chemical in large tonnages in the purest form ever made in commercial quantities. The stable source of magnesium chloride, as a raw material, will permit continuing large volume production of uniformly high quality *Magnesium Oxide* that is essentially free of calcium, silica, iron and alkaline impurities.

The availability of large tonnages of high purity *Magnesium Oxide* at relatively low cost opens the door to new uses in many industries where purity is essential. We are prepared, through our Product Development Department, to explore with any industry the application of *Magnesium Oxide* to specific production problems. For experimental purposes in any industrial plant, we will furnish samples of *International Magnesium Oxide*.

International MINERALS CHEMICALS

inquiries

to potash division

INTERNATIONAL MINERALS & CHEMICAL CORPORATION

GENERAL OFFICES: 20 NORTH WACKER DRIVE, CHICAGO 6 • Sales Offices: 20 North Wacker Drive, Chicago 6 • 61 Broadway, New York 6 • Midland, Texas

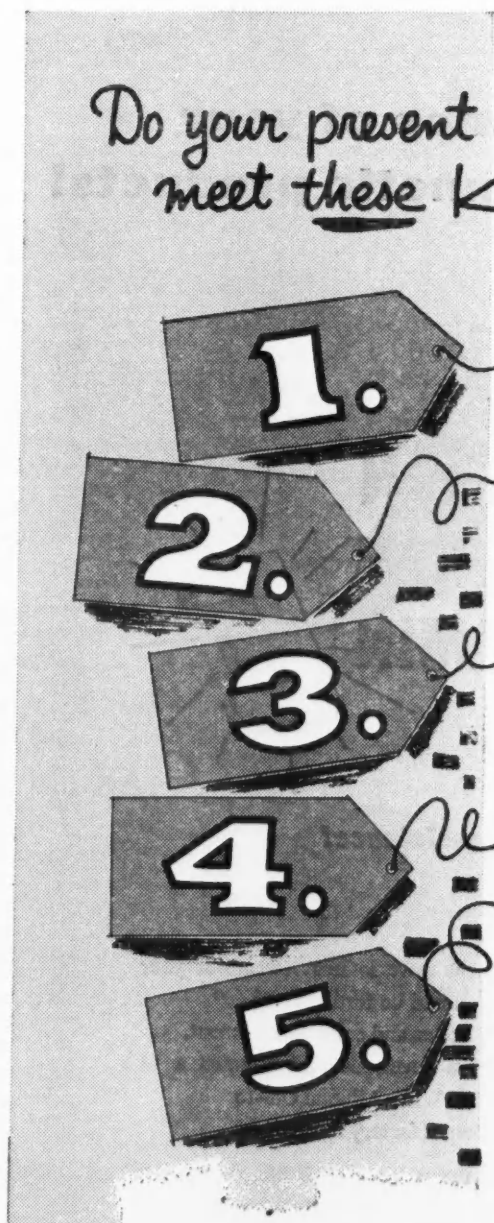
Magnesium peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Sulfate, tech., bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb lots lb. .40 - —
100-lb lots lb. .45 - —
Bulky and super grades of magnesium trisilicate 7c per lb. higher
Malathion, dms., c.l., works lb. .94 - —
l.c.l., works lb. .96 - .98
Maleic anhydride, dms., c.l., dlvd. E lb. .27 - —
t.c.l. dlvd E lb. .28 - —
Prices on maleic anhydride W of Rockies 1½c. higher
Mandrake root, bls lb. .30 - .32
Manganese acetate, bbls., dlvd lb. .35 - —
Arsenate bgs lb. .16 - —
Borate tech bbls lb. .24 - —
Carbonate, bbls., works lb. .22 - —
Chloride, anayd., dms., works lb. .25½ - —
Dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, paper bgs., gross for net, works ton 88.00 - —
burlap bgs., paper-lined, works ton 91.50 - —
dms works ton 94.00 - —
Prices for manganese dioxide in 10,000 to 40,000-lb lots $3 per ton higher
Gluconate, dms lb. 1.79 - 1.93
Glycerophosphate, NF, fib dms lb 4.70 - 4.80
Hydrate, bbls., dlvd lb. .36 - —
Hypophosphite, NF, dms lb. 3.52 - —
Linoleate, liq., 4-35% Mn., dms. lb. .32½ - —
solid, precip., 8.2% Mn, bbls. lb. .37½ - —
Metal, cs., dlvd east lb .30 .32
Naphthenate, liq., 6% Mn., dms., frt alld lb .27 —
Resinate, fused, 3½% Mn, dms lb. .23 - —
precip., 6½-7% Mn., dms lb. .27 - —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton 80.50 - —
t.c.l., dlvd. S. E ton 87.50 - —
Tallate, 6% dms lb. .24 - —
Mangrove bark, E. African, 38% tannin, c.l., ex dock ton 68.00 - —
So. American 30% tannin, c.l., ex dock ton 55.00 - 58.00
Mannitol, coml., dms., works lb. .40 - .43
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb lots, works lb. .33½ - —
smaller lots, works lb. .38½ - —
Menadione, USP, bots gram. 06 06½
Menthol, Nat., USP, Brazilian, cns lb. 7.75 Nom.
Japanese, cs lb. 13.00 - —
syn., USP, racemic, cns lb. 5.45 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
2-Mercaptobenzothiazole, bgs., fib. cms ton lots works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton-lots, works, frt. alld lb. .48 - —
less ton lots, same basis lb. .50 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 4.98 - —
gran. or powd., dms., 50-lb. lots or more lb. 4.78 - —
Cyanide, NF VIII, powd., fib. dms. lb. 6.84 - —
Iodide, red, NF, fib. dms lb. 7.72 - —
Oxide, red, NF, powd., fib. dms lb. 5.97 - 6.01
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 6.14 - —
Mercurous chloride (see Calomel).
Iodide, yellow, NF lb. 7.72 - —
Mercury, ammoniated (see White precipitate USP).
Metal, 76 lb. per flask net flask 322.00 - 324.00
Mesityl oxide, dms., c.l., dlvd lb. .1350 - —
l.c.l., dlvd. lb. .1450 - —
tanks, dlvd. lb. .1150 - —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Choloraniline)
Metanitroaniline (see m-Nitroaniline)
Metanitroparatoluidine (see m-Nitro-p-toluidine).
Metaphenylenediamine (see m-Phenylenediamine)
Metatoluidine (see m-Toluidine)
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, nat., denaturing grade, tanks, frt alld gal. .70 - —
Prices on natural methanol W of Miss., 3c higher.
syn., Zone 1, dms., c.l., dlvd., or truckload min., frt. alld. gal. .42 - —
l.c.l., same basis gal. .48 - —
tankwagon, 2-4,000 gals., dlvd., Metropolitan areas gal. .30 - —
tanks, dlvd., or 4,000 gal. min., frt. alld gal. .27 - —
4,000 gal. min., frt. equald. with Camden, N. J gal. .25½ - —
Zone 2, dms., c.l., or truckload min., frt. alld. or dlvd gal. .47 - —
l.c.l., same basis gal. .53 - —
tankwagon, 2-4,000 gals. min. dlvd. Metropolitan areas, gal. .35 - —
tanks, 4,000 gal., min., frt. alld. or dlvd gal. .32 - —
Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetretramine).
dl-Methionine, fib. dms., frt. alld., 50-lb. or more lb. 3.50 - —
feed grade, 98% fib dms. same basis lb. 2.65 - —
Methoxychlor, 50% wettable powder, dealers dms cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .20½ - —
l.c.l., same basis lb. .21 - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .21 - —
l.c.l., same basis lb. .21½ - —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss, Ala., Ga., Fla., S. C. and Tenn.
Acetone, nat., dms., l.c.l., E. of Miss., frt. alld gal. .62½ - —
syn., dms., c.l., frt. alld. E. gal. .57 - —
l.c.l., frt. alld. E gal. .63 - —
tanks, frt. alld E gal. .45 - —
Synthetic methyl acetone E. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all states west of those four.
Acrylate, dms., c.l., and truckload, works lb. .44½ - —
less than truckload works lb. .45½ - —
tanks, works lb. .42¾ - —
Alcohol (see Methanol).

Methyl amyl acetate, dms., c.l., dlvd. E lb. .15 - —
l.c.l., dlvd. E lb. .16 - —
tanks, dlvd. E lb. .13 - —
Ketone, dms., works lb. 1.05 - —
Anthranilate, cns. lb. 2.50 - 2.65
Benzoate, cns., dms lb. .53 - .65
Bromide jobbers cyls. various sizes, frt. alld. E lb. .47 - .61
Cellulose, special, vis. (1,500-4,000 cps.) 50-lb bgs. c.l., works lb. .78 - —
2,000-lb. lots and more, same basis lb. .65 - —
smaller lots, frt. alld. on 100 lbs lb. .89 - 1.00
standard vis., (15-400 cps.), 50-lb., c.l., alld lb. .66 - —
2,000-lb. lots and more, same basis lb. .72 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .85
Chloride, indust., cyls., frt. equald. lb. .21 - —
tanks, multi-unit, same basis lb. .15 - —
single unit, same basis lb. .11½ - —
refrigerator mfrs., cyls., dlvd lb. .40 - .42
other consumers or service men, cyls., dlvd lb. .57 —
Cinnamate, cns. lb. 1.43 1.80
Cyclohexanol, dms., c.l., works. lb. .35½ - —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Ethyl ketone, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
Formate, reid., dms lb. .35 - .40
tech. non-ret dms. any quantity works lb. 03 —
tanks, works lb. .07 - —

Methyl heptin carbonate, bots lb. 33.00 - 42.00
p-Hydroxybenzoate, fib dms lb 1.90 2.00
Ionone, standard, cns. dms lb 3.80 4.65
Isobutyl carbinol, dms., c.l., dlvd. lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
Isobutyl ketone, dms., c.l., dlvd. lb. .15 - —
l.c.l. dlvd. lb. .16 - —
tanks, dlvd. lb. .13 - —
Methacrylate, dms., c.l., and truckload, frt. equald., with Belle, W. Va., and Arlington, N. J lb. .36½ - —
smaller lots, same basis lb. .37 - —
tanks same basis lb. .35 - —
Naphthyl ketone, cryst., cns lb. 3.60 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate).
Roseaniline chloride, NF fib. dms. lb. 5.44 - —
Salicylate, USP, cns., 50-lb. lots lb. .58 - —
Testosterone, USP, 100-gram bots. gram. .79 - —
2-Methyl-5-ethyl pyridine, dms., c.l., works lb. .47½ - —
l.c.l., works lb. .48 - —
tanks, works lb. .46 - —
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb 3.25 3.60
smaller lots same basis lb 3.40 3.60
Chloride, indust., dms., c.l., dlvd. E. lb. .13½ - —
Methylionone, A, cns lb 6.55 - 8.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 - 6.40
standard, dms., cns lb. 3.80 - 4.65

Magnesium Peroxide—Milk Sugar

b-Methylnaphthalene, 32°C. m.p., dms., works lb. .90 —
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone (see 1-Phenl-3-methylpyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04¼ —
roofing, 20 to 80 mesh, works lb. 03 04
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .03¼ - —
l.c.l. ex-whse or frt. alld. E lb. 07 —
paint, or lacq. bgs., c.l., works, frt. alld lb. .07¾ - —
l.c.l. ex-whse or frt alld. E lb. .08½ - —
rubber, bgs. c.l. works frt. alld, E lb. .07½ - —
l.c.l. ex-whse or frt. alld. E lb. .08½ - —
wallpaper, bgs., c.l., works, frt. alld., E lb. 07¾ —
l.c.l. ex-whse or frt. alld. E lb. 08½ —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¾ - —
l.c.l. ex-whse or frt. alld. E lb. 08½ —
Mica, wet-grd. W. of Miss R. ½c. higher. W of Rockies, 1c. higher
Milk powder non-fat, roller, bgs., c.l. lb. .12 .1535
spray, bgs., c.l. lb. .14 .1610
whole, roller, bgs., c.l. lb. No prices.
spray, bgs., c.l lb. .27 .31
Sugar (see Lactose).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2.
3.
4.
5.
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Gives solutions of exceptionally high solids content—or high diluent content, both aromatic and aliphatic.
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Mineral Spirits—Oil, Cassia

Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .09¾- .10
New York gal. .11½- —
Molybdenum (metal), powd., 80 or 200 mesh, ctns., works kilo. 8.80 - —
Trioxide pure, kgs., works, basis Mo. content lb. 1.35 - —
tech., kgs., works, basis Mo. content lb. 1.25 - —
Monobutylamine, dms., c.l., E. of Rockies lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb .53 - —
Monochlorobenzene dms. c.l. frt. alld. or dlvd. E lb. .11½- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .10 - —
Monochlorobenzene prices in the West, 1¾c higher.
Monoethanolamine, dms., c.l., dlvd. E lb. .26¾- —
l.c.l., same basis lb. .27¾- —
tanks, same basis lb. .25 - —
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% contained amine, dms., c.l., dlvd E lb. .33 - —
l.c.l., dlvd. E lb. .34 - —
tanks, dlvd. E lb. .31 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylortnotoluidin (see N-Ethyl-o-toluidine).
Monoisopropylamine, dms., c.l., dlvd. lb. .30½- —
l.c.l., same basis lb. .31½- —
tanks, same basis lb. .28½- —
Monomethylamine, 30-35% soln., dms., c.l., frt. equald., 100% basis. lb. .40 - —
l.c.l., frt. equald, 100% basis. lb. .40½- —
tanks, frt. equald, 100% basis. lb. .31 - —
40% soln., dms., c.l., frt. equald, 100% basis lb. .37 - —
l.c.l., frt. equald, 100% basis. lb. .37½- —
tanks, frt. equald., 100% basis. lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate monobasic).
Phosphate (see Sodium phosphate monobasic)
Mono-tertiary-butylmetacresol (see 6-tert-Butyl m-cresol).
Morphine cns. oz. 12.40 -12.60
Acetate anhyd. cns. oz 9.95 -10 00
Hydrobromide cns oz 9.90 9 95
Hydrochloride, NF, cns. oz 9.90 9 95
Sulfate, USP, cns. oz. 9.90 -10.05
Morpholine dms., c.l., dlvd. E lb. .54¾- —
l.c.l. dlvd E lb. .55¾- —
tanks, dlvd E lb. .52¾- —
Musk, nat., Tonquin grains, bots. oz. No stocks.
syn., ambrette, 100-lb. lots, fib. dms lb. 5.15 - —
25-lb lots, cns lb. 5.20 - —
5-lb. lots, cns lb. 5.30 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb lots cns lb 5.35 - —
5-lb. lots, cns lb. 5.45 - —
xylol, 100-lb. lots, fib. dms lb. 1.40 - —
25-lb lots, cns lb. 1.45 - —
5-lb. lots, cns lb. 1.50 - —
Mustard seed, Danish, yellow, bgs lb. .12 - .12½
Dutch, yellow, bgs lb. No prices.
English, yellow, bgs lb. No prices.
Montana, oriental, bgs. lb. No prices.
yellow, bgs. lb. .12½- .13
Myrobalans, J-1, assorted, bgs., ex dock ton. 54.00 - —
crushed, bgs., ex dock ton. 63.00 -65.00
ordinary, bgs., ex dock ton. 43.00 - —
extract, Indian, solid, 55% tannin, bgs., exdock, plus duty lb. .07¼ Nom.

N

Naphtha, painters (see Petroleum naphtha V M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74° tanks, frt. equald lb. .05½- —
78°, bgs., c.l., same basis lb. .06¾- —
l.c.l., same basis lb. .07 - —
tanks, same basis lb. .06¼- —
imp., 78°, large lots lb. .05¾- .06
refd., dom., indust., chipped or crushed, bgs., frt. equald. lb. .11½- —
flake, bgs., same basis lb. .12½- —
tanks, same basis lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis. lb. .13¾- —
cs., 50 lbs., c.l., same basis lb. .14 - —
1-lb. pkgs. c.l., same basis lb. .16¼- —
a-Naphthol, bbls., frt. alld. lb. 1.00 - —
b-Naphthol, resub., dms., works lb. .78½- —
tech., bbls., c.l., works lb. .32½- —
l.c.l., works lb. .34½- —
Benzoate, fib. dms., works lb. 3.00 - —
custom contract, works lb. 1.65 - —
Salicylate, dms. lb. 5.00 - —
Sulfate, cns lb. 35.00 - —
a-Naphthylamine, bbls., frt. alld lb .50 - —
b-Naphthylamine, tech., bbls., works, lb. 1.05 - 1.10
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin, fib. dms., 100-kilo lots, basis, activity gram. .60 - —
1-kilo lots, basis, activity gram. 1.20 - —
Nerolin, cns lb. 2.45 - 2.65
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .77 - .90½
Carbonate, bbls., dlvd lb. .73¾- .81¾
Chloride, bbls., dlvd lb. .38½- .46½
Formate, bbls., ton lots, frt. alld. lb. .68 - .69
Metal, electro cathodes, cs., works, lb. .64½- —
Nitrate, bbls., works lb. .37 - .38
Oxide, black, bbls lb. .76 - —
green, bbls. lb. .76 - —
Sulfate, bgs., c.l., dlvd lb. .30¼- —
l.c.l., dlvd lb. .31¼- .38¼
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted. kilo. 11.50 -11.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld lb. 1.20 - —
manufacturers, 500-lb dms., frt. alld lb. 1.03 - —
Niger seed, bgs lb. .12½- .13
Nikethamide, cbys lb. 5.75 - 6.00
m-Nitroaniline, dms., frt. alld lb. 1.05 - —
o-Nitroaniline, flaked, dms lb. .54 - .57
powd., dms lb. .60 - —
p-Nitroaniline, dms., l.c.l., frt. alld. lb. .51½- —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt. alld lb. .11 - —
o-Nitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15 20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .34 - —
l.c.l., same basis lb. .35 - .37
18-25 cps., bbls., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - .39
250-400, 600-1.000 secs., bbls., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .40 - .42
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis lb. .41 - —
l.c.l., same basis lb. .42 - .44
5-6 cps., 40-60 secs., bbls., c.l., same basis lb. .40 - —
l.c.l., same basis lb. .41 - .43

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.

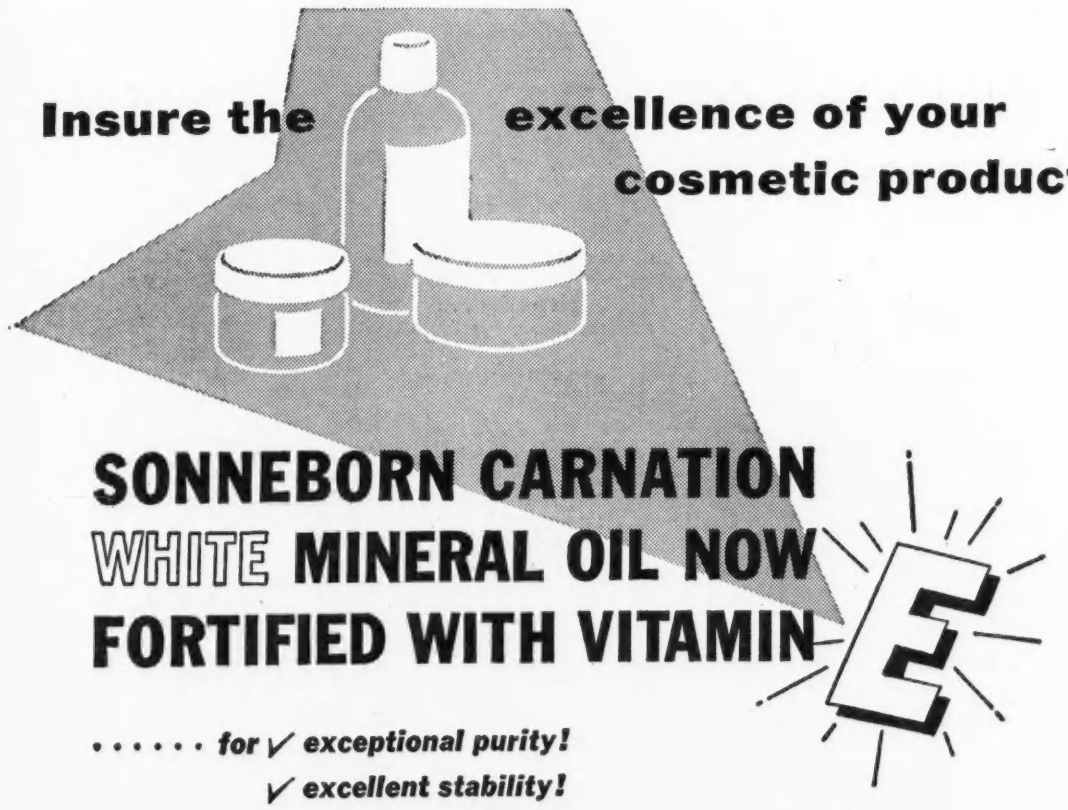
o-Nitrochlorobenzene, dms lb. .20 - .21
p-Nitrochlorobenzene, dms lb. .26 - .27
2-Nitro-4-chlorophenol, dms lb. .75 - —
Nitroethane, dms., dlvd. E of Rockies lb. .25 - —
Nitrogen solution, tanks, frt. equald, 37-40.8% N, 100% basis ton. 130.00 - —
Nitrogenous process tankage, bulk, works unit-ton. 5.00 - —
Sewage sludge, bulk, works unit-ton. 2.95 + .50
Nitromethane, dms., l.c.l., dlvd E. of Rockies lb. .25 - —
a-Nitronaphthalene, bbls, frt. alld. lb. .41 - —
Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
l.c.l., works lb. .24¾- —
tanks, works lb. .22¾- —
o-Nitrophenol, dms., works, frt. equald lb. .94 - —
p-Nitrophenol, dms., works, frt. equald lb. .50 - —
o-Nitrotoluene, dms. c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld lb. .11 - —
tanks, frt. alld lb. .09 - —
p-Nitrotoluene, dms., works lb. .33 - .36
m-Nitro-p-toluidine, dms lb. 1.59 - —
Nitrous ether, conc., bots 100-lb. lots lb. 1.28 - 1.35
Nonyl phenol, dms., c.l., frt. alld. lb. .26 - —
l.c.l., frt. alld lb. .27 - —
tanks, frt. alld lb. .24 - —
Nutgalls, Aleppo, bgs. lb. .38 - —
Chinese, bgs lb. .45 Nom.
Nutmeg, East Indian, whole bgs lb. .46 - —
shrivels, bgs. lb. .44 - —
West Indian, bgs lb. .33 - .33¼
Nux vomica, bis lb. .10 - .12
powd., bbls., bxs lb. .15 - .17

O

Octane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15¾- —
Borger, Tex gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks dlvd lb. .32½- —
Octyl phenol, bgs., c.l., works lb. .23¼- —
l.c.l., works lb. .23¾- —
tanks, works lb. .22½- —
Drum prices for octyl phenol are 1c. higher.

(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

Oil, abies, siberica, cns lb. 2.80 - 3.25
Almond, artif., bitter (see Benzaldehyde).
nat., bitter, F.P.A., bots lb. 3.00 - 3.40
NF, bots. lb. 3.25 - 3.75
sweet, USP, dms., cns lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.40 - 1.85
Angelica root, bots lb. 66.00 -100.00
seed, bots lb. 56.00 -95.00
Aniline (see A).
Anise, USP, dms lb. 3.50 - 5.00
Apricot, kernel, USP, dms lb. .45 - .50
Avocado, cns. lb. No stocks.
Babassu, crude, tanks lb. No stocks
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.55 - 2.00
55-60%, cns lb. 1.90 - 2.25
West Indian, 50-55%, cns., dms. lb. 1.45 - 2.25
Bergamot, nat., NF, Italian, cns. lb. 10.50 -13.00
Birchtar, crude, cns lb. 1.50 - 1.90
rectified, NF, cns lb. 2.00 - —
Bois de rose, Brazil, dms lb. 4.50 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb. .65 - .70
Cajeput, native, cns lb. 1.75 - 2.10
redist., USP, cns lb. 2.25 - 3.00
Calamus, bots lb. 12.00 -20.00
Camphor, sassafrassy, dms lb. .38 - .55
white, dms. lb. .31 - .45
Cananga, native, cns lb. 7.85 -10.25
rectified, cns. lb. 12.50 -14 75
Caraway, NF, cns lb. 3.25 - 5.00
Capsicum (see Capsicum oleoresin).
Cardamom, NF, bots lb. 36.00 -50.00
Cassia, USP (see Oil, cinnamon, USP).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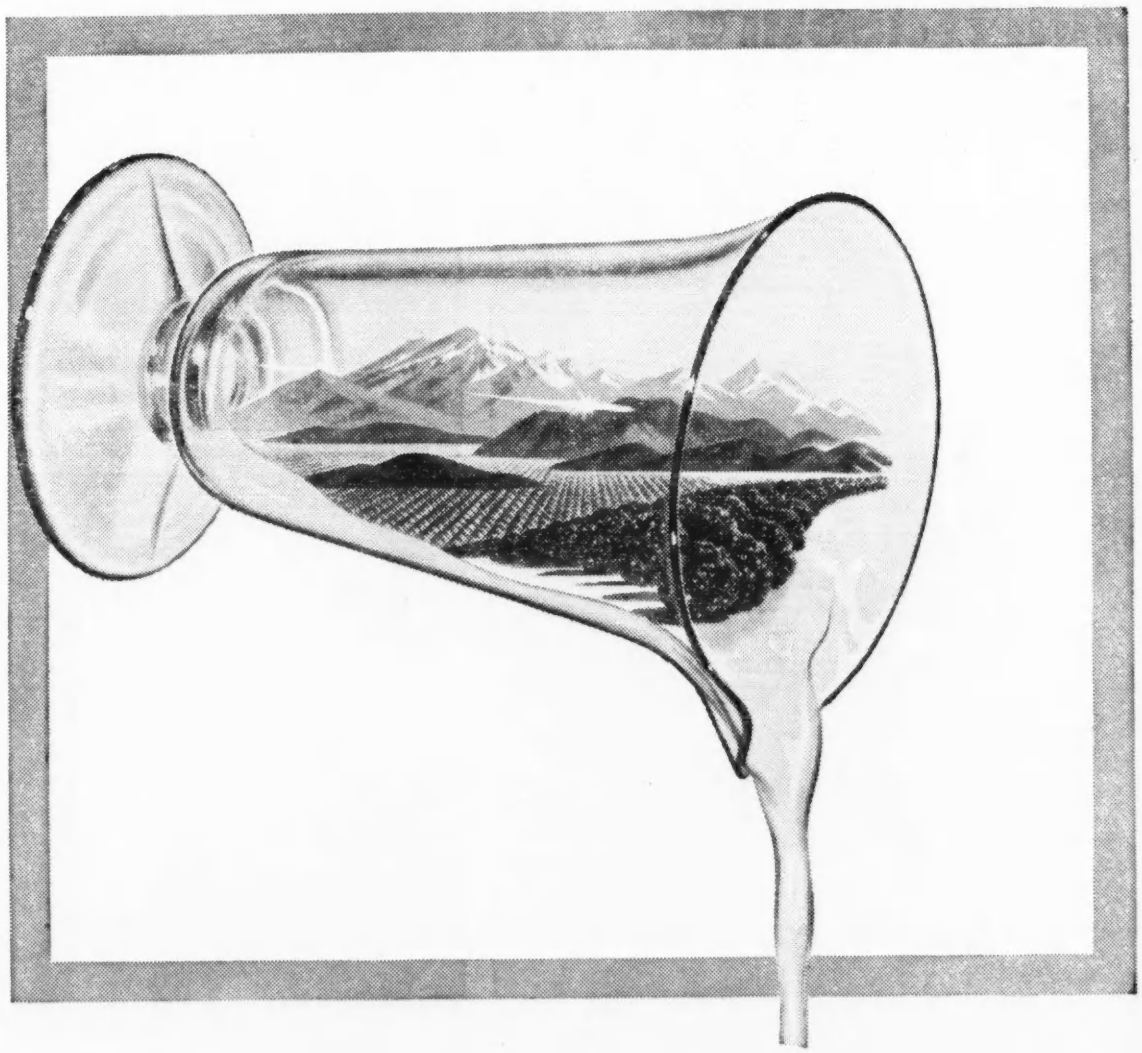
New York 10, N. Y.

Oil, castor, blown, dms., c.l.	lb.	.20	- —
l.c.l.	lb.	.2150-	—
dehydrated, bodied, dms., c.l	lb.	.2260-	—
l.c.l.	lb.	.2310-	—
tanks	lb.	.2160-	—
unbodied, dms., c.l	lb.	.2110-	—
l.c.l.	lb.	.2160-	—
tanks	lb.	.2070-	—
hydrogenated, bgs., l.c.l	lb.	.2350-	.2450
No. 3, tech., dms., c.l.	lb.	.1775-	—
l.c.l.	lb.	.1825-	—
tanks	lb.	.1675-	—
No. 1, Brazilian, tanks	lb.	.14½-	—
sulfonated, 50%, dms., l.c.l	lb.	.13½-	.14
25% dms., l.c.l.	lb.	.1	.17½
USP, dms., c.l	lb.	.1800-	—
l.c.l.	lb.	.1850-	—
tanks	lb.	.1700-	—
refd. and deodorized, dms., c.l.	lb	.1950-	—
l.c.l.	lb.	.20 -	—
tanks	lb.	.1850-	—
Cedarleaf, cns., dms	lb.	2.65	- 3.00
Cedarwood, cns., dms	lb.	1.00	- 1.05
Celery seed, bots	lb.	13.00	-21.00
Chamomile, blue, Hungarian bots	lb.	160.00	-250.00
Chaulmoogra (see Oil, tung).			
Cinnamon bark, bots	lb.	25.00	-50.00
leaf, cns.	lb.	1.75	- 2.25
USP cns., dms., (Cassia)	lb	No stocks.	
Citronella, Ceylon, cns., dms	lb.	1.10	- 1.75
Java, true, dms.	lb.	1.35	- 1.75
Java-type, cns	lb.	1.35	- 1.75
Clove, buds, USP, cns., dms	lb.	3.25	- 4.20
leaf, unrectified, dms	lb.	1.55	- 2.20
Coconut, crude, tanks, N. Y.	lb.	.13⅞-	—
Pac. Coast	lb.	.12⅞-	—
refd., Cochin type, tax incl. rct. dms., l.c.l.	lb.	.21¾-	—
deodorized tax incl. non rct. dms., c.l.	lb.	.23½-	—
Cod, Newfoundland, dms	lb.	.09¼-	.09½
Codliver, USP, dms	gal.	1.50	- 1.60
Copaiba, cns	lb.	1.50	- 2.50
Coriander, USP, bots	lb.	14.50	-18.00
Corn, crude, tanks, works	lb.	.13⅛-	—
foots (soapstock), acid 95%, tanks, N. Y.	lb.	.05¼-	—
refd., salad, dms	lb.	.18 -	.18¼
tanks	lb.	.16⅝-	—
Costus, bots.	lb.	8.00	- —
Cottonseed, crude, tanks, South-East	lb.	.13 -	—
Valley	lb.	.12¾-	—
Texas	lb.	.12½-	—
foots (soapstock), acid 95%, tanks, N. Y	lb.	.05 -	—
raw, 50%, tanks, same basis.	lb.	.02⅜-	—
refd., salad, dms	lb.	.18⅛-	.18½
tanks	lb.	.16⅝-	—
Creosote (see Creosote, coaltar).			
Crude (see Petroleum, crude)			
Cubeb, cns	lb.	4.50	- 6.00
Cumin, bots., cns	lb.	4.15	- 5.75
Cypress bots.	lb	5.30	- —
Degras (see D).			
Dillseed, bots.	lb.	2.80	- 4.25
Dillweed, dom., bots., dms	lb.	3.75	- 5.30
Dip (see D).			
Erigeron, cns.	lb.	5.50	- 7.50
Eucalyptus, NF, rectified, 70-80%, dms	lb.	.67	- 1.00
80-90%, dms.	lb.	.85	- 1.25
Fennel, sweet, USP, cns	lb.	2.50	- 3.25
Fir, Canada, cns	lb.	2.35	- 3.00
Fish, refd., alkali, dms	lb.	.1400-	.1450
kettle-bodied, dms	lb.	.1630-	.1680
light-pressed, dms	lb.	.1250-	.1300
tanks	lb.	.1100-	—
Fishliver, crude, for feeds or concentrating, 4,000 to 12,000 A units per gram, dms., 1,000,000 units.		.08	- .09
10,000 to 20,000 A units per gram, dms., 1,000,000 units.		.09	- .10
25,000 to 35,000 A units per gram, dms., 1,000,000 units.		.09	- .10
40,000 to 55,000 A units per gram, dms., 1,000,000 units		.10½-	.11
100,000 A units per gram, dms 1,000,000 units.		.12	- .14
200,000 A units per gram, dms 1,000,000 units.		.12	- .14
300,000 A units per gram, dms. 1,000,000 units.		.12	- .14½
400,000 A units per gram, dms., 1,000,000 units		.12	- .14½
500,000 A units per gram, dms 1,000,000 units.		.12	- .14½

Prices above are based on the USP XIV method of conversion. Morton-Stubbs Corrected E x 1900.

Fusel (see F).			
Garlic, pure, bots.	oz.	6.50	- 9.50
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns	lb.	10.50	-12.25
Bourbon, cns.	lb.	11.25	-14.50
Turkish (see Oil palmarosa)			
Ginger, dist., bots	lb.	12.25	-17.50
Grapefruit, dms.	lb.	2.50	- 3.25
Grease, No. 1, dms	lb.	.14½-	.15
extra, winter, strained, dms	lb.	.17½-	.18
prime, burning, dms	lb.	.19 -	.19¼
Guaiacwood, cns	lb.	1.40	- 1.90
Hemlock, cns.	lb.	2.70	- 3.80
Juniper berry, NF, VIII, bots	lb.	2.75	- 4.00
twice rectified, bots	lb.	3.60	- 7.00
Tar, NF (see Juniper tar).			
Wood, tech., cns	lb.	.42	- .65
Lard (see Oil, grease).			
Laurel leaf, dms., cns.	lb	9.75	-12.50
Lavandin, dms., cns	lb.	2.50	- 4.85
Lavender, flower, USP, French.			
30-32% ester, cns	lb.	3.55	- 4.60
38-40% ester, cns	lb.	9.50	-13.20
40-42% ester, cns	lb.	10.00	-16.50
Spike, Spanish, cns	lb.	1.85	- 2.30
Lemon, USP, Calif., cns., dms	lb.	4.60	- 6.15
Messina, cns.	lb.	6.05	- 9.25
terpeneless bots	lb.	32.00	-85.00
Lemongrass, cns., dms	lb.	2.65	- 3.25
Lignaloe wood, Mex., cns	lb.	3.70	- 4.50
Lime, dist., Mexican, cns	lb.	3.25	- 5.00
West Indian, cs	lb.	3.50	- 5.00
expressed, West Indian, cns	lb.	7.50	- 8.50
terpeneless, bots	lb.	29.50	-100.00
Linseed, raw, dms., c.l., N. Y.	lb.	.1505-	—
l.c.l.	lb.	.1555-	.1575
tanks, f.o.b. Minneapolis	lb.	.1230-	—
New York	lb.	.1355-	—
tankwagon, New York	lb.	.1385-	—
Boiled linseed oil, .006c. per	lb.	higher	
Mace, dist., cons., dms	lb.	2.75	- 3.60
Mandarin (see Oil, tangerine).			
Menhaden, crude, tanks, works, Atlantic Coast	lb.	.08¾ Nom.	
Gulf and Atlantic ports, f.a.s.	lb.	.09¼ Nom.	
Mineral, white (see Oil, white mineral)			
Mirbane (see Nitrobenzene).			
Mustard seed, nat., cns	lb.	.18	Nom.
synthetic, cns., dms	lb.	1.60	- 1.85
Neatsfoot, 15° cold test, dms	lb.	.33	- .34
20° cold test, dms.	lb.	.32	- .33
30° cold test, dms	lb	30	31
Neroli, NF, French, bots	lb.	85.00	-275.00
Spanish, bots	lb.	35.00	-85.00
Nutmeg, USP, dist., East Indian, cns., dms	lb.	2.75	- 3.35
West Indian, cns., dms	lb.	2.60	- 2.85
Ocotea, cymbarum, dms	lb.	1.10	- 1.50
Oiticica, liquid, dms	lb.	.16½-	.16¾
tanks	lb.	.15¼-	—
Oil, oleo, extra, dms	lb.	.17	- .17½
Olibanum, bots.	lb.	5.50	- 7.65
extra fine, bots	lb.	8.00	- —
Olive, Spanish, edible, dms., duty paid	gal.	2.35	- 2.45
Tunisian, same basis	gal.	2.25	- 2.30
Orange, sweet, dist., cns	lb.	.40	80
expressed, USP Brazilian, cns., dms	lb	No stocks	
Calif., cns., dms.	lb.	.60	- 1.25
Florida, cns., dms	lb.	.45	- 1.25
Messina cns	lb	3.85	5.85
West Indian, cns dms	lb	2.50	- 3.65
sesquiterpeneless, bots	lb.	65.00	-120.00
Origanum, Spanish, cns	lb.	1.75	- 2.85
Palm, clarif., dms	lb.	.12¾-	.13
kernel, denat., tanks	lb.	.13¼-	—
Palmarosa, cns.	lb.	8.00	- 9.50
Paraffin, pale, 100-110 vts., at 100 F tanks, East Coast refy	gal.	.14	- —
Patchouli, dms	lb.	8.00	- 9.50
Peach kernel, USP (see Oil apricot kernel).			
Peanut, crude, tanks, f.o.b. mills.	lb.	.19¼	Nom.
refd., dms.	lb.	.23¾-	.24
tanks	lb.	.22¼-	—
Pennyroyal, USP, imported, cns	lb.	1.90	2.50
Peppermint, nat., dms	lb.	7.75	- 8.90
redist., USP, dms	lb.	8.10	- 9.50
Persic, USP (see Oil, apricot kernel).			
Petitgrain, South American, cns., dms	lb.	4.00	- 5.30
Pimento, berry, NF, dms	lb.	4.20	- 7.50
leaf, cns.	lb.	2.55	3.10
Pine, dest-dist., dms., l.c.l., works.	lb.	.11¼-	—
ex-whse.	lb.	.1355-	—
steam dist. dms. ex whse. N.Y.C	lb.	.163 -	—
Pineneedle, Siberian (See Oil, abies siberica).			
Oil, rapeseed, tankcars	lb.	.17	- —
Red (see Acid oleic)			
Rice bran, clarif., dms., l.c.l.	lb.	.17½-	—
tanks, dlvd. E	lb.	.15½-	—
Rose, nat., Bulgarian, bots	oz.	43.50	-62.25
Rosemary, Spanish, USP, cns., dms	lb	.60	- 1.00
tech., cns., dms	lb.	.50	- .70
Rue, bots	lb.	1.65	- 2.30
Safflower, dms., c.l., Atl. coast.	lb.	.1910-	—
tanks, same basis	lb.	.1760-	—
Sage, clary, bots	lb	20.00	25.00
Dalmatian, cns.	lb.	4.25	- 7.00
Spanish, cns	lb	.90	1.25
Sandalwood, NF, cns	lb.	11.50	-13.00
Sardine, crude, tanks, Pac. coast.	lb.	.08½	Nom.
Sassafras, artif., dms	lb.	.90	- 1.25
nat., Brazilian (see Oil ocotea cymbarum).			
dom., USP cns., dms	lb.	1.75	- 2.20
Savin, cns.	lb.	2.75	- —
Savory, cns	lb	4.25	- —
Sesame, refd., dms	lb.	.36	- .37
Shingle stain, tar distillate, dms., c.l., works	lb.	.33	- —
l.c.l., works	lb.	.35	- —
tanks, works	lb.	.23	- —
Snakeroot, Canada, cns	lb.	28.50	-31.00
Soybean, crude, tanks, Decatur	lb.	.12⅛-	—
foots (soapstock), acid 95%, tanks, N. Y	lb.	.05¾-	—
raw, 50%, tanks, N. Y	lb.	.02⅜-	—
refd., alkali, dms	lb.	.16¼-	.16¾
tanks	lb.	.14⅜-	—
clarified, dms.	lb.	.15¾-	.16¼
tanks	lb.	.14⅛-	—
salad, dms.	lb.	.16¾-	.17⅛
tanks	lb.	.15⅛-	—
Spearmint, USP, dms	lb.	4.00	- 5.50
Oil, sperm, bleached winter, 45° dms	lb.	.1625-	.1650
tankcars	lb.	.1450-	—
nat., winter, 45°, dms	lb.	.1525-	.1550
tankcars	lb.	.1350-	—
Spruce, cns., dms	lb.	2.10	- 2.75
Sweet birch USP Nortnern, cns.	lb	4.25	9.50
Southern cns	lb	2.50	3.00
Tall, crude, dms., c.l., works	lb.	.03¼-	—
tanks, works	lb.	.02¼-	—
dist., dms. c.l., works	lb.	.07¼-	.07½
tanks, works	lb.	.06 -	—
refd., dms., c.l., works	lb.	.03¼-	—
l.c.l., works	lb.	.06½-	—
tanks, works	lb.	.05 -	—
Tallow, acidless, dms	lb.	.12½-	.13
Tangerine, Floridian, dms	lb.	2.75	- 5.35
Tansy, dms.	lb	7.75	9.00
Tar Acid (see T's).			
Pine, coml., dms., c.l., works	lb.	.528 -	.538
l.c.l., works	lb.	.601 -	—
whse.	lb.	.712 -	—
tanks, works	lb.	.427 -	.438
rectified, NF, dms., incl., l.c.l., works, South	lb.	.77 -	—
whse., N.Y.C.,	lb.	.87 -	—
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns., dms	lb.	1.70	- 3.75
white cns	lb	1.95	4.00
Tuberose, white cns	lb	40	1.85
Tung, dms., c.l., N.Y.	lb.	.23¾-	—
l.c.l., same basis	lb.	.24¼-	.24½
tanks, N. Y.	lb.	.22¼-	.22¼
domestic mills	lb.	.22 -	—
Turkey red (see Oil, castor, sulfonated).			
Turpentine NF cns. dms	lb	.40	45
Vetiver, Bourbon, cns	lb.	13.25	-17.00
Haitian cns	lb.	11.80	-21.00
Java, cns.	lb	22.50	40.00
Wheat germ, 5-gal. dms	gal.	10.00	13.00



THE LEADING ORANGE OIL WITH CALIFORNIA FLAVOR

There's a reason for the growing popularity of Exchange Oil of Orange. Only Exchange Brand combines the flavor and aroma of California oranges with *Exchange* quality. Carefully selected oranges from the famous California groves of Sunkist Growers are processed to scientific specifications in modern California plants. You receive distinctive flavor and fragrance... in addition to unmatched uniformity of strength.

Sunkist Growers
PRODUCTS DEPARTMENT • ONTARIO, CALIFORNIA

Produced by
The Exchange Orange Products Co.
Ontario, California
Distributed in the U. S. exclusively by
DODGE & OLCOTT, INC.
180 Varick St., New York 14, N. Y.
FRITZSCHE BROTHERS, INC.
76 Ninth Ave., New York 11, N. Y.

Exchange
OIL OF ORANGE U. S. P.

Oil, White Mineral—Petroleum, Naphtha, High Solvency

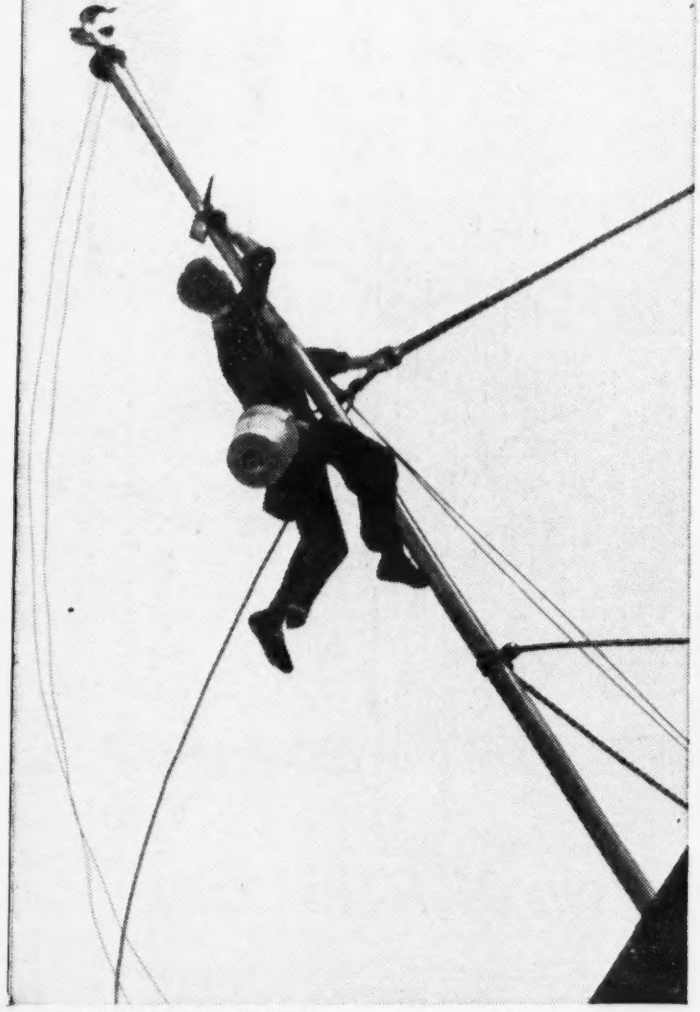
Oil, white mineral, tech., 50-65 vis., non-ret. dms. c.l., f.o.b. N. Y. gal. .51½- .54½
65-75 vis., non-ret., dms., c.l., same basis gal. .52½- .55
l.c.l., same basis gal. .57½- .58½
80-90 vis., non-ret., dms., c.l., same basis gal. .53½- .56½
l.c.l., same basis gal. .58½- .59½
125-135 vis., non-ret., dms., c.l., same basis gal. .59½- .62½
l.c.l., same basis gal. .64½- .65½
145-155 vis., non-ret., dms., c.l., same basis gal. .66 - .68½
l.c.l., same basis gal. .71 - .71½
175-185 vis., non-ret., dms., c.l., same basis gal. .69½- .73
l.c.l., same basis gal. .74½- .75
USP, 200-210 vis., non-ret., dms., c.l., same basis gal. .73½- .75
l.c.l., same basis gal. .77½- .78
345-355 vis., non-ret. dms., c.l., same basis gal. .77 - .80
l.c.l., same basis gal. .83 - .85
Wintergreen, USP, nat., Northern, cns lb. 6.35 -10.30
Southern, cns lb. 3.20 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns. ..... lb. 5.00 - 8.00
Wormwood, cns. ..... lb. 5.00 - 6.85
Ylang-ylang, Bourbon, bots ... lb. 17.00 -30.00
extra, bots ..... lb. 28.00 -40.00
Madagascar, bots ..... lb. No stocks
Oleostearine, bbls. ..... lb. .12¾- .13
Opium, USP, cns ..... lb. 19.20 -19.45
grad., USP, cns ..... lb. 21.65 -21.90
powd., USP, cns ..... lb. 21.65 -21.90

Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.56 - —
Chrome, CP., bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn., and E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .31 - —
Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Dinitroaniline toner ..... lb. 1.30 - —
Mineral, American, bbls, l.c.l., works lb. .2035- .2060
Molybdated, bbls ..... lb. .45 - —
o-Nitroaniline toner, kgs ..... lb. 1.15 - —
Orange peel bitter, Haitian, bls lb. .14 - .16
sweet, bls ..... lb. .16 - .18
Orris root, Florentine, bls ..... lb. .45 - .50
powd., bbls., bxs ..... lb. .50 - .53
Verona, bls ..... lb. .35 - .40
powd., bbls., bxs ..... lb. .40 - .45
Orthoaminobiphenyl (see o-Aminobiphenyl).
Orthoanisidin (see o-Anisidine).
Orthochloroanilin (see o-Chloroaniline).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroparanitroanilin (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroanilin (see o-Nitroaniline).
Orthonitrochlorobenzene (see 2-Nitro-4-chlorobenzene).
Orthonitrobiphenyl (see o-Nitrobiphenyl).
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidin (see o-Phenetidine).
Orthophenetidin (see o-Phenetidine).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).
Orthotolidin (see o-Tolidine base).
Orthotoluidin (see o-Toluidine).
Osage orange, cryst., No. 1, bbls., l.c.l lb. .40 - —
extract, liq., No. 1, bbls., l.c.l lb. .19 - —
Ouabain, USP, bots ..... gram. 3.00 - 4.00
Oxyquinolin sulfate, cns., 100-lb. lots, works lb. 4.75 - 5.00
smaller lots, works lb. 4.92 5.17

P

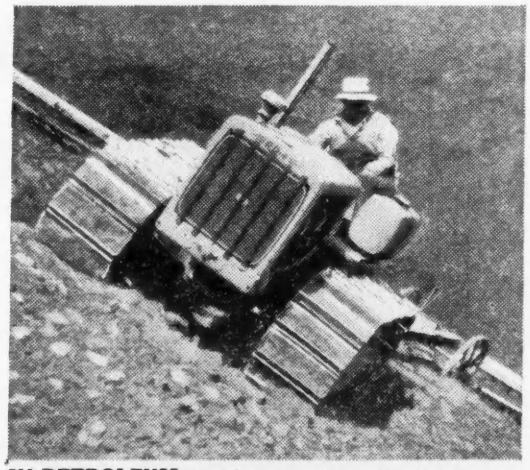
Pancreas substance, assay 1:75 bots., 5-lb. lots or more lb. 4.00 - —
Pancreatin, USP, bots ..... lb. 1.90 - 2.10
Papain, USP, African, bots ..... lb. 4.00 - 4.50
Ceylon ..... lb. 3.00 - 3.50
Papaverine, nat. or syn. hydrochloride, USP, cns., 25 oz. to 100 oz. lots oz. 5.00 - —
smaller lots ..... oz. 5.05 - 5.20
Sulfate, cns. ..... oz. 7.10 - 7.35
Paprika, Roumanian, bgs. ..... lb. .31 - .33
Spanish, bgs. ..... lb. .36 - .38
Yugoslavian, bgs. ..... lb. .36 - —
Para-anisidin (see p-Anisidine).
Para-acetylaminobenzaldehyde thiosemicarbazone (see p-Acetylaminobenzaldehyde thiosemicarbazone).
Para-aminophenol (see p-Aminophenol).
Parachloroanilin (see p-Chloroaniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachloro-orthonitroanilin (see 4-Chloro-2-nitroaniline).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Paraffin, crude scale white, 121°-123°F, ASTM, solid, c.l., refy lb. .0710- —
fully refd., 122°-124°F, ATSM, slabs loose, c.l., refy lb. .0845- —
125°-127°F, ASTM, slabs loose, c.l., refy lb. .0845- —
130°-132°F., ASTM, slabs loose, c.l., refy lb. .0855- —
132°-134°, ASTM, slabs, loose, c.l., refy lb. .0855- —
135°-137°F., ASTM, slabs loose, c.l., refy lb. .0855- —
Prices for paraffin in bags and cns., c.l. 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher
AMP temperatures are an arbitrary 3° F. higher than ASTM.
Paraformaldehyde, 91%, flake, bgs., c.l., frt. alld. lb. .0965- —
l.c.l., frt. alld ..... lb. .1165- .1265
powd., bgs., c.l., frt. alld lb. .15½- —
l.c.l., frt. alld ..... lb. .17 - —
USP X, fib. dms., c.l. ..... lb. .183 - —
1,000-lb. lots ..... lb. .193 - —
smaller lots ..... lb. .208 - —
Paraldehyde, tech., 98%, 55-gal. dms., c.l. works lb. .13½- —
l.c.l., works ..... lb. .14½- —
tanks, works ..... lb. .11½- —
Paranitroanilin (see p-Nitroaniline).
Paranitrochlorobenzene (see 4-Nitro-2-chlorobenzene).
Paranitrophenol (see p-Nitrophenol).
Paranitrotoluene (see p-Nitrotoluene).
Paraphenetidin (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, spray powder, 15% dealers, dms., works lb. .48 - .49
tech., dms., c.l., t.l., works ... lb. 1.3395- —
l.c.l., works ..... lb. 1.51 - —
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paratoluidine (see p-Toluidine).
Paris green, dealer, distributor, dms., c.l., works, frt alld. on 96 lbs or over lb. .36 - .40
l.c.l., same basis ..... lb. .37 - .53
Passion flower herb, bls ..... lb .20 - .21
Peanut meal, 45%, old process, bgs., mills ton. 84.00 Nom.
Pectin, citrous, NF, powd. bbls lb 2.05 - 2.06
tech. powd bbls lb 1.50 - —
imported, Danish, ex whse .. lb. 1.28 - —
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units. .07½- .08
Procaine, bulk, 1,000,000 units. .07½- .08
Sodium, sterile, bulk, 1,000,000 units. .07½- .08
Pentachlorophenol, dms., c.l., works, frt equald lb. .21 - —
l.c.l., same basis ..... lb. .24 - .29
truckload, 20,000 lbs. min. same basis lb. .21¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
l.c.l., works ..... lb. .33 - —
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, Tex, refy gal. .14¼- —
Pepper, black, Malabar, spot, bgs lb. .42 - —
red, Gondar, spot, bgs ..... lb. .28 - .30
Japanese, hontaka, bgs ..... lb. .35 - —
birdseyes, bgs., new crop lb. .60 - —
Mombasa, bgs., shipt ..... lb. No prices.
Nigerian, bgs. ..... lb. No prices.
Turkish, bgs ..... lb. .22 - .22¼
white, bgs. ..... lb. .65 - —
Peppermint leaves, USP, dom., bls., dms lb. .70 - .75
imp., bls ..... lb. 1.25 - —
Pepsin, NF, 1:3,000 bulk ..... lb. 3.45 - 3.50
Perchloroethylene, dms., c.l., or truckloads, dlvd. E dm. 85.00 - —
dlvd. W ..... dm. 88.50 - —
l.c.l., dlvd. E ..... dm. 95.00 - —
dlvd., W ..... dm. 98.50 - —
tanks, dlvd. E ..... lb. .10¾- —
dlvd. W ..... lb. .11¼- —
Peru balsam, dms ..... lb. 1.50 - 1.75
Petrolatum, amber, dms., c.l., refy. lb. .05 - .05⅝
l.c.l., dlvd ..... lb. .06¾- .07
tanks, refy ..... lb. .03¼- .04⅛
cream, dms., c.l., refy ..... lb. .06⅛- .07⅛
l.c.l., dlvd ..... lb. .08½- .08⅝
tanks, refy ..... lb. .04⅜- .05⅛
extra, amber, dms., c.l., refy lb. .05¼- .05⅞
l.c.l., dlvd ..... lb. .07 - .07¼
tanks, refy ..... lb. .03½- .04⅛
USP, white, lily, dms., c.l., refy. lb. .06⅛- .07¼
l.c.l., dlvd ..... lb. .08⅞- .09⅛
tanks, refy ..... lb. .04⅞- .05
snow, dms., c.l., refy ..... lb. .07¼- .07¾
l.c.l., dlvd ..... lb. .09⅛- .09⅜
tanks, refy ..... lb. .05⅜- .05⅞
soft, dms., c.l., refy ..... lb. .06¾- .07¾
l.c.l., dlvd ..... lb. .08½- .08¾
tanks, refy ..... lb. .05 - .05⅝
yellow, soft, dms., c.l., refy. lb. .05¼- .05¾
l.c.l., dlvd ..... lb. .06⅞- .07⅛
tanks, refy ..... lb. .03½- .05⅞
Petroleum, lacquer diluent, 150°-240°F., b.r., tanks, West Coast, ex tax, Los Angeles. gal. .169 - .204
East coast, N. J., N. Y. gal. .19 - —
Group 3, benzol-type ... gal. .14125- .14625
toluol-type ..... gal. .13125- .13375
Mineral spirits, reg., tanks, California, ex tax, San Francisco gal. .164 - —
East coast, N. J., N. Y. gal. .17 - —
Group 3 ..... gal. .11875- —
tankwagon, Boston ..... gal. .19 - —
Buffalo ..... gal. .195 - —
Chicago ..... gal. .279 - —
Cleveland ..... gal. .22 - —
Newark ..... gal. .18 - —
New York ..... gal. .18 - —
Philadelphia ..... gal. .185 - —
Pittsburgh ..... gal. .18 - —
Providence ..... gal. .195 - —
Odorless, tanks, ref'y, Watson, Calif. gal. .245 - —
Borger, Tex ..... gal. .24 - —
Houston, Tex ..... gal. .24 - —
Wood River, Ill. gal. .2625- —
dlvd. N. J ..... gal. .32 - —
dlvd. N. Y. ..... gal. .33½- —
tankwagon, N. J., dlvd. gal. .36 - —
N. Y., dlvd ..... gal. .37 - —
Naphtha, cleaners, tanks, East Coast, N. J., and N. Y. gal. .17 - —
Group 3 ..... gal. .12875- —
tankwagon, Newark ..... gal. .18 - —
New York ..... gal. .18 - —
Philadelphia ..... gal. .185 - —
High solvency (see Petroleum solvent, partial aromatic).

Enjay assures you top product quality

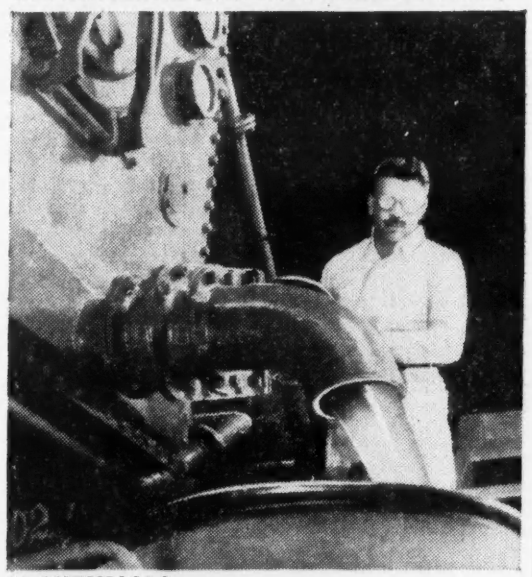


IN SURFACE COATINGS (*Paint, Varnish and Shellac*)

You can depend on Enjay for the quality ingredients that make your product a success. Enjay offers a complete line of petroleum chemicals to the surface coating, chemical and petroleum industries . . . backed by 35 years of research, know-how and proved results. Enjay is also ready to assist you in developing new or improved products through chemistry. Next time, call Enjay for *your* chemical needs.



IN PETROLEUM (*Lubricants and Gasoline Additives*)



IN CHEMICALS (*Plastics*)

PETROLEUM	SURFACE COATING	CHEMICAL
PARANOX	PETROHOL 91	PETROHOL 91
PARATONE	PETROHOL 95	PETROHOL 95
PARAFLOW	PETROHOL 99	PETROHOL 99
PARAPOID	JAYSOL	JAYSOL
PARADYNE	Secondary Butyl Alcohol	Iso-Octyl Alcohol
PARATAC	Secondary Butyl Acetate	Decyl Alcohol
PETROHOL	Isopropyl Acetate	Denatured Ethyl Alcohol
Methyl Ethyl Ketone	Acetone	Tridecyl Alcohol
Dewaxing Aid	Methyl Ethyl Ketone	Dicyclopentadiene
Ethyl Ether	Dicyclopentadiene	Isoprene
Isopropyl Ether	Ethyl Ether	Butadiene
Reference Fuels	Isopropyl Ether	Ethyl Ether
	Naphthenic Acids	Isopropyl Ether
	Iso-Octyl Alcohol	Tetrapropylene
	Decyl Alcohol	Trigropylene
	Denatured Ethyl Alcohol	Aromatic Tars
		Benzene
		Acetone
		Methyl Ethyl Ketone

ENJAY

35 successful years of leadership in serving industry

Enjay Company, Inc.
15 West 51st Street, New York 19, N. Y.

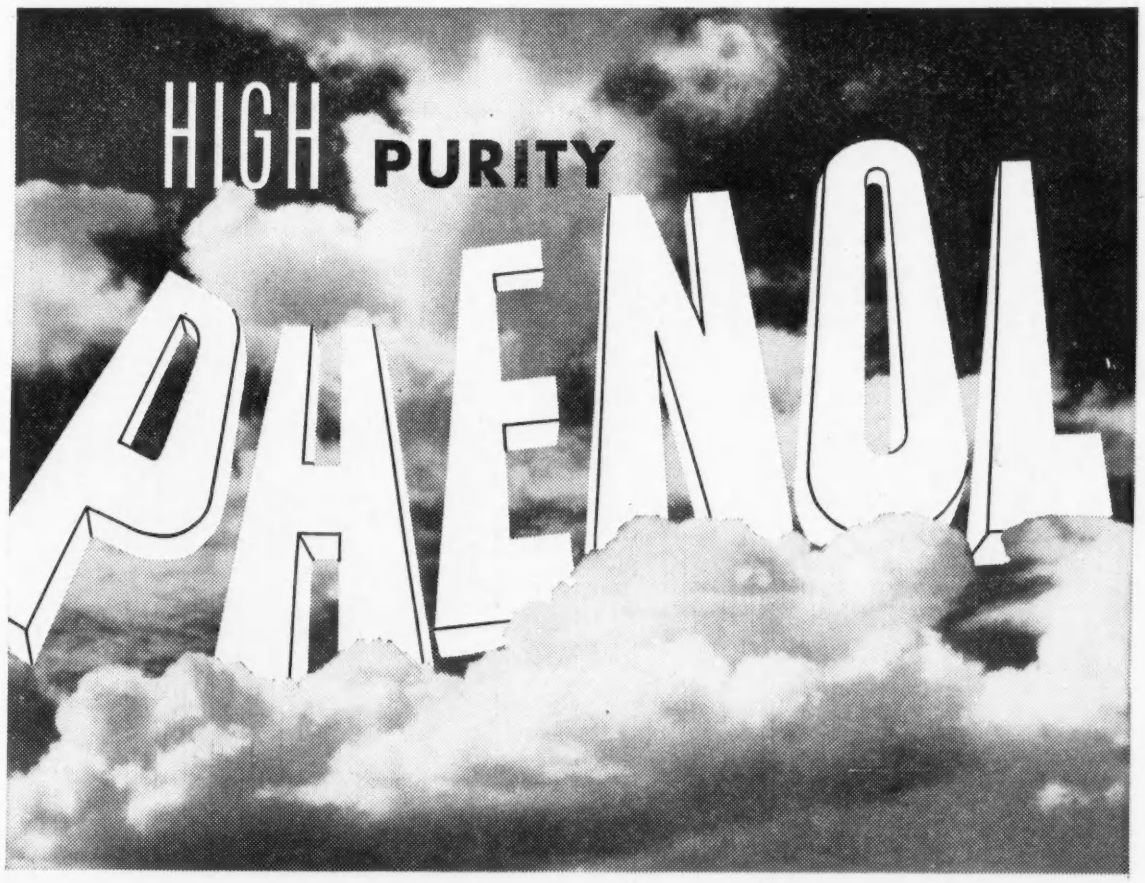
Petroleum naphtha, V.M.&P., 225°-300°F, b.r., tanks, West Coast, Los Angeles..gal. .169 - —
Portland, Ore..gal. .175 - —
San Francisco..gal. .174 - —
Seattle, Wash..gal. .175 - —
East Coast, N. J., N.Y..gal. .18 - —
Group 3 .....gal. .12875- —
tankwagon, Boston....gal. .205 - —
Chicago .....gal. .289 - —
Cleveland .....gal. .23 - —
Newark .....gal. .195 - —
New York.....gal. .195 - —
Philadelphia .....gal. .20 - —
Pittsburgh .....gal. .19 - —
Solvent, partial aromatic, tanks, East Coast, N. J., N. Y., 205°-284° F., b.r., 38° 43°C., m.a.p. gal. .24 - .26
19°-30°C., m.a.p. .....gal. .19 - .30
272°-387°, b.r., 31°C, m.a.p., gal. .29 - —
27°-29°C, m.a.p .....gal. .29 - .31
19°C., m.a.p .....gal. .32 - —
310°-392°F. o.r. 30°-38°C. m.a.p. gal. .27 - .30
17°-19°C., m.a.p .....gal. .35 - .38
350°-425° F., b.r., 32°-35° C., m.a.p gal. .30 - .30½
25°C., m.a.p .....gal. .39 - —
18°-21°C., m.a.p .....gal. .35 - .42½
Rubber, tanks, Cal., ex tax, San Francisco gal. .173 - —
East Coast, N. J., N. Y., gal. .18 - —
Group 3 .....gal. .12875- —
Stoddard, tanks, East Coast, N. J., N. Y..gal. .17 - —
Group 3 .....gal. .12375- —
Pennsylvania, western gal. .15 - —
Boston .....gal. .19 - —
Chicago .....gal. .289 - —
Cleveland .....gal. .22 - —
Los Angeles, ex tax....gal. .194 - —
Newark .....gal. .18 - —
New York .....gal. .18 - —
Philadelphia .....gal. .185 - —
Pittsburgh .....gal. .18 - —
Sulfonate, oil soluble, 60-62% sulfonic content, non-ret, dms., c.l., works .....lb. .16 - .18¼
l.c.l. works .....lb. .17 - .18½
tanks, works .....lb. .14 - .16½
50-55% sulfonic content, non-ret. dms., c.l., works..lb. .15½ - —
l.c.l., works .....lb. .16½ - —
tanks, works .....lb. .12½ - —
o-Phenetidine, dms., works.....lb. 1.00 - —
p-Phenetidine, dms., works.....lb. 1.00 - —
Phenobarbital, USP, dms., 100-lb. lots lb. 4.00 - —
Phenobarbital-sodium, USP, dms., 100-lb. lots lb. 4.00 - —
Phenol, 90-92% (cresol 8-10%), non-ret. dms. c.l. frt. alld. E. of Rockies lb. .15¾- —
l.c.l., same basis .....lb. .16½- —
tanks, same basis .....lb. .14 - —
82-84% (cresol 16-18%), non-ret, drums, c.l., same basis lb. .15¼- —
l.c.l., same basis .....lb. .16 - —
tanks, same basis .....lb. .13½- —
39° or above, tar distilled, non-ret. dms., c.l., same basis lb. .17¼- .17¾
l.c.l., same basis .....lb. .18 - .18½
tanks, same basis .....lb. .15½ —
USP, syn., dms., c.l., frt. alld. lb. .17¾- —
l.c.l., same basis .....lb. .18½- —
tanks, same basis .....lb. .16 - —
Phenolphthalein, USP or yellow, bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots .....lb. 1.12 - 1.17
Phenothiazine, NF, fib. dms., c.l., frt. adjusted..lb. .45 - —
over 2,100 lbs., same basis lb. .47 - —
less than 2,100 lbs., same basis. lb. .49 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol.)
Phenylacetaldehyde, soln., 50%, bots lb. 2.40 - 2.70
100%, bots .....lb. 4.00 - 4.65
Phenylacetamide, 125-lb. dms., works lb. 1.10 - —
smaller dms., works.....lb. 1.15 - 1.10
dl-Phenylalanine, dms., works ...lb. 27.00 - 37.50
1-Phenyl-3-carbethoxy pyrazolone-5, 250-lb. fib. dms., dlvd. E lb. 3.60 - —
smaller dms., dlvd. E .....lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., dlvd. E..lb. .40 - —
l.c.l., dlvd. E .....lb. .41 - —
m-Phenylenediamine, dms., frt. alld, lb. .90 - —
p-Phenylenediamine, redist., dms., works lb. 2.00 - —
tech., refd., dms., same basis lb. 1.10 - 1.35
Phenylethanolamine, d m s., c.l., works lb. .69½- —
l.c.l., same basis .....lb. .70 - —
Phenylethyl acetate, bots.....lb. 1.35 - 1.95
b-Phenylethylamine, dms., 1,000-lb. lots, works..lb. 1.10 - —
smaller lots, works .....lb. 1.15 - 1.40
Phenylethylphenyl acetate, bots lb. 3.95 - 4.40
Phenylhydrazine base, CP, bots lb. 3.00 - 3.07
Hydrochloride, coml., kgs., works. lb. 1.75 - —
purif., bots., works.....lb. 5.17 - —
1-Phenyl-3-methyl pyrazolone-5, 250-lb. lots, dlvd. E lb. 1.70 - —
smaller lots, dlvd .....lb. 2.00 - —
o-Phenylphenol, dms., l.c.l., works.lb. .42 - .44
p-Phenylphenol, bgs., c.l., works lb. .35 - —
l.c.l., works .....lb. .39½- —
Phloroglucinol, coml., fib. dms., works lb. 6.40 - —
C.P., bots., fib. dms., works..lb. 17.00 - 17.25
tech., tin dms., works .....lb. 10.45 - —
Phosphate, defluorinated (see under D).
Rock, Curacao, Atlantic ports, New Orleans ton. 43.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 68-66%, b.p.l., bulk, c.l., mines long ton. 4.60 - —
70-68%, b.p.l., c.l., same basis long-ton. 5.00 - —
72-70%, b.p.l., c.l., same basis long-ton. 5.65 - —
75-74% b.p.l., c.l., same basis long-ton. 6.65 - —
78-76%, b.p.l., c.l., same basis long-ton. 7.65 - —
The above prices are based on fuel oil at $2.15 per bbl. and labor at $1.28. The 3c. labor advance and 9c. fuel oil advance currently absorbed.
Phosphorus amorph., red. dms., t.l. lb. .43 - —
smaller lots.....lb. .44 - .45
white (yellow), solid, dms., c.l., works, frt. equald lb. .20 - .20½
l.c.l., dms., works, frt. equald, lb. .21 - .21½
tanks, works, frt. equald ..lb. .17 - .19
Oxychloride, dms., c.l., works...lb. .14 - —
l.c.l., dms., works .....lb. .17 - —
tanks, works .....lb. .12½- —
Pentasulfide, solid, dms., c.l., works lb. .11½- —
l.c.l., dms., works .....lb. .13 - .13½
Pentoxide, dms., c.l., works...lb. .13½- —
l.c.l., works.....lb. .16½- —

Phosphorus sesquisulfide, tins, cs., works..lb. .29 - —
export, dms. .....lb. .31 - .36
Trichloride, dms., c.l., works...lb. .14 - —
l.c.l., works .....lb. .17 - —
tankcars, works .....lb. .12½- —
Phthalic anhydride, ogs, c.l., works, frt. equald lb. .20 - —
l.c.l., same basis .....lb. .21 - —
tanks, same basis .....lb. .19¼- —
Phthalimide, 97%-98%, dms., works, frt. alld lb. .65 - .70
Phthalylsulfacetamide, 1,000-lb. lots or more lb. 5.00 - —
a-Picoline, ret., dms., c.l., works, frt. equald lb. .43½- —
l.c.l., works, frt. equald .....lb. .44 - —
b,g-Picoline, 5°, dms., c.l., works, lb. .32½- —
l.c.l., works .....lb. .33 - —
g-Picoline, 98%, dms., c.l., works, lb. 2.65 - —
Pilocarpine hydrochloride, NF, bots oz 5.25 - —
Nitrate, USP, bots., vials.... oz. 4.80 - 4.90
Pimento, Jamaican, bgs. .....lb. .98 - —
Mexican, bgs. .....lb. .82 - —
Pink root, bls. .....lb. 3.00 - 3.25
d-Piperazine hexahydrate, French Codex, bots kilo. 8.00 - 8.50
Piperidine, 98%, dms., frt. equald, lb. 2.90 - 3.00
Piperonyl butoxide, dms., dlvd. E.lb 4.50 - 5.30
Cyclonene, dms., dlvd. E .....lb. 4.20 - 4.50
Pitch, coaltar, 140°-150°F, m.p. bulk, tanks, works ...ton. 35.50 - —
Cottonseed, raw, dms., works...lb. .02¼- .03
Linseed, dms .....lb. .06 Nom.
Marine, dms. .....lb. .04¼- .05
Petroleum (see Asphalt, petroleum).
Soybean, dms., works .....lb .05 Nom.
Tall, dms., works .....lb. .03¾- 04½
Plaster of Paris (see Gypsum).
Platinum metal, works.....oz. 82.00 - 84.00

Petroleum Naphtha, V.M.&P.—Potassium Ferrocyanide

Pleurisy root, bls.....lb. .43 - .50
Podophyllum resin, NF, dms.....lb. 11.95 - —
Poke root, bls .....lb. .19 - .22
Polymyxin, bulk, bots., dms., 50 billion units or more, 1,000,000 units. .52 - —
25-50 billion units 1,000,000 units. .54 - —
1-25 billion units 1,000,000 units. .56 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000-lb. lots, works. lb. .43 - —
smaller lots, works lb. .46 - .48
tristearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000 lb. lots, works. lb. .43 - —
smaller lots, works .....lb. .46 - .48
Poppy seed, Argentine, bgs. ....lb. No prices.
Dutch, bgs. .....lb. .31½- —
Polish, bgs. .....lb. .31 - —
Turkish, bgs. .....lb. .26 - .27
Potash, caustic, reg., flake, 88-92%, dms., c.l., works 100 lbs. 9.15 -
l.c.l. works 100 lbs 10.20 - —
liq., 45% basis, dms., c.l., works 100 lbs. 4.25 - —
l.c.l., same basis 100 lbs 5.05 - —
tanks, same basis 100 lbs. 3.70 - —
solid, 88-92%, dms., c.l., works 100 lbs. 8.70 - —
l.c.l., works 100 lbs. 9.75 - —
Potassium acetate, NF, dms ..lb. .31 - .36
Bicarbonate, USP, gran. dms lb. .22 - —
powd. dms lb. .24 - —
Bichromate, bgs., c.l., works lb. .15 - —
l.c.l., works .....lb. .15½- —
Potassium bichromate in dms. ¾c. higher.

Potassium bitartrate, NF, dom., gran. or powd., bbls., 5,000 lbs. 1 shipt lb. .33½- —
dms., c.l .....lb. .33 - —
smaller lots.....lb. .34 - .37
imp., kgs .....lb. .25¾- .26
Bromate, bbls., 1,000 lbs. or more, lb. .50 - .52
25-200-lb. lots .....lb. .55 - .57
Bromide, USP gran. bbls. kgs. lb. .34 - .35
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 9.00 - —
l.c.l., same basis 100 lbs. 10.05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs 7.60 - —
l.c.l., works 100 lbs 8.65 - —
USP gran., bbls., dms .....lb. .16½- .18
powd., bbls., dms .....lb. .21 - .23
Chlorate, cryst., dms., c.l., works. lb. .10¼- —
l.c.l., works .....lb. .11½- .12
powd., dms., c.l., works lb. .10¾- —
l.c.l. works lb. .12 - .12½
export, dms., New York lb. .12¾- .13½
NF gran. dms lb. .13 - .13
Chloride, USP, cryst., dms....lb. .21 - .23
gran. dms lb. .15 - .17
powd. dms lb. .24 - .26
Chromate, tech., bgs .....lb. .50 - .50½
Citrate, USP gran., dms .....lb. .41 - —
powd., dms .....lb. .40½- .41½
Cyanide, dms., 500-lb. lots or more, works lb. .55 - —
smaller lots works lb. .57 - —
Dichromate (see Potassium bichromate).
Ferricyanide, drums, ton lots lb. .50 - —
Ferrocyanide, bgs., ton lots....lb. .22½- —
smaller lots .....lb. .23 - —



The Oronite manufacturing process permits the consistent marketing of a highly pure Phenol. Exceeding the U. S. P. congealing point specification of 39.0° C, Oronite's guaranteed minimum is 40.6° C—with actual shipments being regularly higher. This dependable high quality, at competitive prices, suggests Oronite as a leading Phenol source.

Oronite, with complete control of all basic raw materials in its manufacturing process is truly a 100% *basic source* of supply. Thus with Oronite you are assured of a reliable Phenol source, service and product when you need it.

Contact any Oronite office for further product and supply information.

A partial list of Oronite Products

Detergent Alkane	Wetting Agents	Purified Sulfonate	Para-Xylene 95%
Detergent Slurry	Cresylic Acids	Polybutenes	Ortho-Xylene
Detergent D-40	Gas Odorants	Acetone	Xylol
Detergent D-60	Lubricating Oil	Naphthenic Acids	Aliphatic Acid
Dispersant NI-O	Additives	Phthalic Anhydride	Hydroformer Catalyst
Dispersant NI-W	Sodium Sulfonates	Maleic Anhydride	Fuel Oil Additives

Basic Chemicals for Industry

ORONITE CHEMICAL COMPANY

200 Bush Street, San Francisco 20, California • 714 W. Olympic Blvd., Los Angeles 15, California
30 Rockefeller Plaza, New York 20, New York • 20 North Wacker Drive, Chicago 6, Illinois
Mercantile Securities Building, Dallas 1, Texas

3263

Potassium Fluoborate—Red, Lake C Toner

Potassium fluoborate, fib. dms., c.l., works lb. .30 - —
l.c.l., works lb. .31 —
Fluoride, dms., works lb. .37 - .38
Gluconate dms lb. 75 - 79
Glycerophosphate, 75% solution, cbys lb 2.15 - 2.25
Guaiacolsulfonate, NF dms lb 2.10 - 2.30
Hydroxide, tech. (see Potash caustic).
USP pellets 100-lb dms 1 to 100 dm lots lb 28½ - 32
Hypophosphite, NF, fib dms., ton lots or less lb 1.00 - 1.03
Iodide, dms lb. 1.90 - 1.95
Manure salt 22% K₂O bulk, mines unit-ton. .18 - —
Metabisulfite, gran. dms lb. .20 - .21
powd. dms lb .25 —
Muriate, dom., 50-60% K₂O, bulk, Carlsbad, N. M. unit-ton. .39½ - .40½
50-51% K₂O paper bgs. Carls bad, N. M. ton 24.50 - —
Nitrate, cryst., bbls., 10,000-ton lots 100 lbs.14.40 - —
smaller lots 100 lbs.14.65 -14.90
gran., bbls., 20-ton lots 100 lbs. 9.75 - —
smaller lots 100 lbs.11.10 -11.50
powd., bbls., 20-ton lots 100 lbs.10.75 - —
100 lbs.10.75 —
smaller lots 100 lbs.12.00 12.50
NF gran., dms lb. .09¾ - .11¾
Potassium nitrate in bags 50c. per 100 lbs. less in kegs, $1 more
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works ton.189.00 - —
dms., ton lots, ex whse ton.293.50 - —
smaller lots, ex whse ton.29800 - —
Powdered Potassium permonorate $10.25 per ton higher

Potassium perchlorate, dms., c.l., works lb. .15 - —
l.c.l., works lb. .16½ -
Permanganate, tech., dms., works, lb. .22½ - .23½
USP dms. works lb. .24¾ - .30¼
Persulfate, dms., 5-ton lots, works, lb. .18 - —
1-ton lots, works lb. .20 - —
Phosphate, tetrabasic, bbls., works lb. .16½ - .18½
Prussiate, red (see Potassium Ferricyanide).
yellow (see Potassium Ferrocyanide).
Silicate, glass, bgs., c.l., works, 100 lbs.17.00 - —
l.c.l. 100 lbs 17.80 - —
soln., clarif., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.80 - —
l.c.l., 5 dms., or more, works 100 lbs 6.55 - —
tanks, works 100 lbs 5.45 - —
Silicate, tech., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.35 - —
l.c.l., 5 dms. or more, works 100 lbs. 6.50 - —
tanks, works 100 lbs. 5.00 - —
40.5° Be., 1:2.0, dms., c.l., works 100 lbs. 6.45 - —
l.c.l., 5 dms. or more, works 100 lbs. 7.20 - 7.60
tanks, works 100 lbs. 6.10 - —
Silicofluoride, bbls., works lb. .09 - .10
Stannate, dms., frt. alld. E. lb. .65 - .716
Sulfate, agricultural, 49-51% K₂O, bulk, works ton.35.00 - —
NF VII cryst. dms lb 31 33
gran. dms. lb. 18½ —
powder dms lb. .36½ - .17

Sulfocyanide, NF, cryst. (see Potassium thiocyanate).

Potassium thiocyanate, NF, cryst., dms. lb. .84 - .94
tech., works lb. .77 - .79
Titanate, ctns., c.l., works lb. .14 - —
5-ton lots, works lb. .14½ - —
1-ton lot or less, works lb. .14¾ - —
Potassium-magnesium sulfate, bulk, works basis 40% K₂SO₄, 18% MgO ton.15.03 - —
Potassium-sodium tartrate, NF, gran., powd., dms., c.l. lb. .35 - —
5,000-lb. lots lb. .35½ - —
smaller lots lb. .36 - .41
Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½ - .55
Pregnenolone, bots. gram. .60 - —
Acetate, bots gram. .55 - —
Progesterone, USP, bots., 100 gram lots gram. .65 - —
Acetate, bots gram. .70 - —
Procaine hydrochloride, USP, dms., 1,000-lb. lots, frt. alld lb. 2.90 - —
100 lb lots lb. 3.60 - —
Propane, indust., tanks, group 3, gal. .03½ - .04
N. Y. Harbor gal. .08½ - —
n-Propyl acetate, dms., c.l., dlvd lb. .12¾ - —
l.c.l., dlvd lb. .13¾ - —
tanks, dlvd lb. .1075 - —
Gallate, dms., 100 to 2,000-lb. lots works lb 3.90 - 4.40
p-Hydroxybenzoate, USP, dms lb. 2.30 - 2.40
Thiouracil, bots., 50-kilo lots or more kilo.55.00 —
smaller lots kilo.55.10 -55.30
Propylene dichloride, dms., c.l., dlvd. E lb. .0845 - —
l.c.l., same basis lb. .095 - —
tanks, same basis lb. .07 - —
Prices in West 1c. higher dlvd., on same basis.

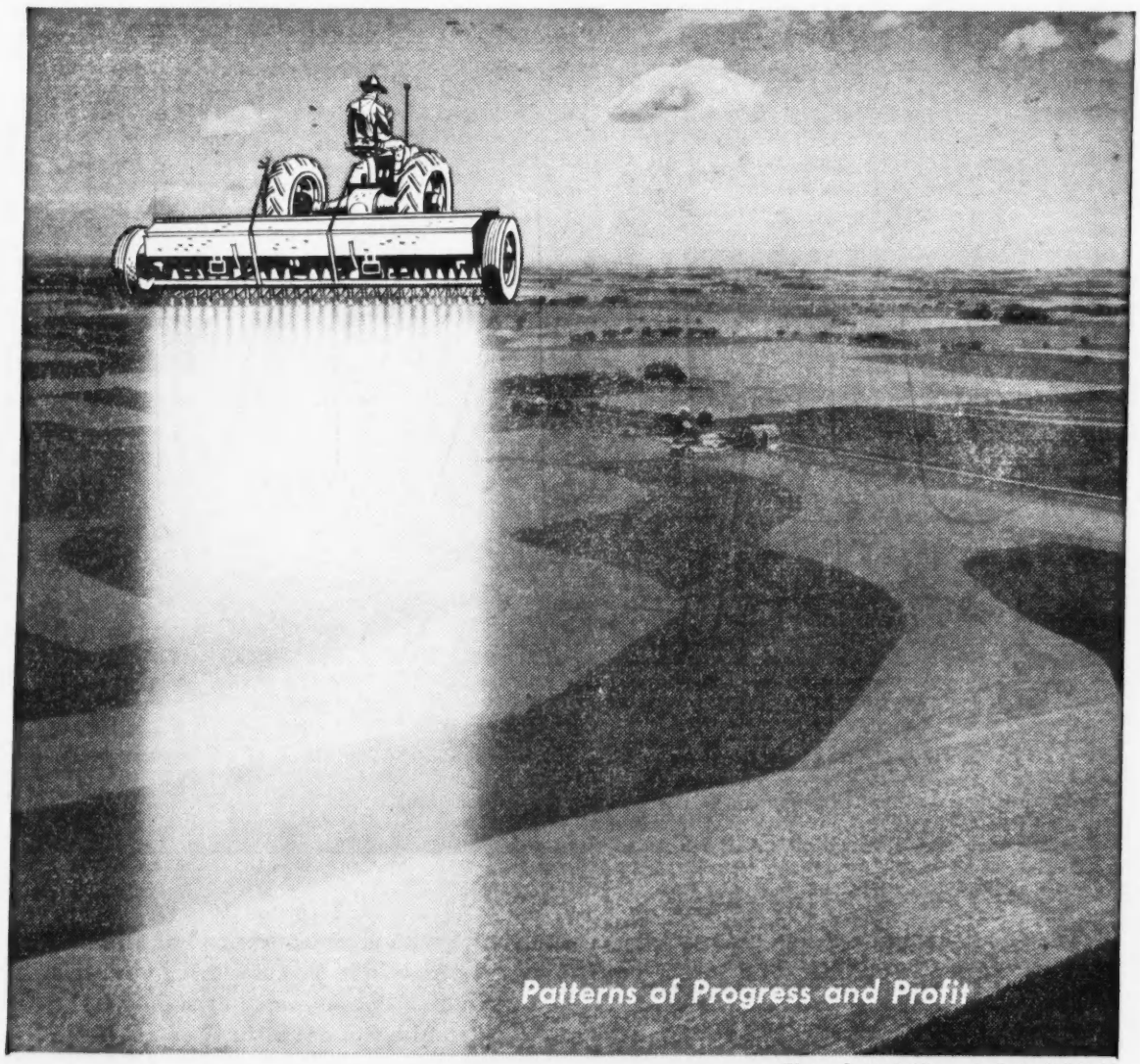
Propylene glycol, indust., dms., c.l., dlvd. E lb. .14¾ - —
l.c.l., same basis lb. .15¾ - —
tanks, same basis lb. .13 - —
USP, dms., c.l., dlvd. E lb. .16¾ - —
l.c.l., same basis lb. .17¾ - —
tanks, same basis lb. .15 - —
Metnyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .1H½ - —
Oxide, dms., c.l., dlvd. E lb. .17 - —
l.c.l., dlvd. E lb. .18 - —
tanks, dlvd. E lb. .15 - —
Psyllium seed, black, bgs. lb. .80 - —
blonde, bgs. lb. .18 - .20
husks, bgs. lb. .45 - .50
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .03½ - .04¼
smaller lots lb. .03½ - .04½
imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½ - —
fine, bgs. ton lots lb. .04 - —
sun dried coarse bgs ton lots lb. 02½ - .04
fine bgs. ton lots lb. 02½ .04
purif., 20%, dms., works lb.10.00 -10.10
Pumpkin seed, bgs lb. .25 - .26
Pyrethrin, syn., (see Allethrin).
Pyrethrum flowers, fine grd. 0.9% pyrethrins bbls works. lb. .45 - —
powd., 1.3% pyrethrins, bbls., works lb. .65 - —
liq. (20 to 1) basis 2 grams pyrethrins per 100cc. odorless base, 50 dms., works, gal. 8.35 - —
1-4 dms., works gal. 8.55 - —
Oleoresin, dewaxed, 20%, dms., works lb. 9.80 -10.15
purif., 20% dms., works lb.10.00 -10.10
Pyridine, denaturing, dms., c.l., works and frt. equald gal. 2.77 - —
l.c.l., same basis gal. 2.80 - —
refd., 2°, non-ret dms., l.c.l., same basis lb. .75 - —
Pyridoxine hydrochloride, bots., 100-gram lots gram. .55 - —
Pyrites, Canadian, works long-ton. 3.00 - 8.00
Pyrocatechol (see Catechol)
Pyrogallol, NF lb. 3.25 - 3.45
Pyroxylin, scrap, ungrd., amber, dms., works lb. .20 - —
black, dms., works lb. .12 - —
mixed, mottled, dms., works lb. .13 - —
shavings, amber, cs. works lb. No stocks.
mixed colors, dms., works lb. .11 - —
white, china, ivory, dms., works lb. .16 - —
dense, opaque, dms., works, lb. .12 - .15
translucent pastels, cs., works, lb. .14 - —
transparent colorless, dms., works lb. .25 - —
colors, dms., works lb. .15 - —
USP, bots lb. 9.50 - —

Q

Quassia chips lb. 17 - —
Quebracho extract, clarif., grd., 70% tannin bgs. c.l., lb. .16½ - .16¾
liq., 35% tannin, bbls., works, lb. .08¼ - —
solid., clarif., 64% tannin, bgs., c.l., ex-dock, duty extra lb. .12 23/64 - —
ord., 63% tannin, bgs., c.l., same basis lb. .11 21/32 - —
Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 - —
liq., No. 1, bbls., l.c.l lb. .19 - —
Quicksilver (see Mercury metal).
Quince seed, bgs lb. 2.00 Nom.
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.15 - —
powd., precip., cns., 100-oz. lots. oz. 1.17 - —
Sulfate, USP, cns., 100-oz. lots. oz. .87 - —
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Bisulfate, USP, cns., 100-oz. lots oz. .37½ - —
Dihydrochloride, USP, cns., 100-oz. lots oz. .54 - —
Ethylcarbonate, NF, cns., 100-oz. lots oz. .63½ - —
Hydrobromide, NF cns. 50-oz cns. oz. .47½ - —
Hydrochloride, USP, cns., 100-oz. lots oz. .47½ - —
Phosphate, NF, cns., 100-oz lots.oz. .61 - —
Salicylate NF, cns., 100-oz. lots.oz. .55 - —
Sulfate, USP, cns., 100-oz. lots.oz. .42 - —
Quinine and Urea hydrochloride, NF, cns oz. .56 - —
Quinoline, dms., c.l., frt. equald lb. .50¾ - —
l.c.l., same basis lb. .51¼ - —
tanks, same basis lb. .50 - —

R

R salt, paste, dms., frt. alld., 100% basis lb. .83 - —
powd., frt. alld, 100% basis lb. .88 - .93
Rauwolfia serpentina, root, powd., bbls, dms lb. 2.00 - 3.00
Red, BON acid maroons, pure, bbls. lb. 1.75 - —
resinated, bbls lb. 1.50 - —
arylid, deep shades, bbls lb 3.60 - —
light shades, bbls lb. 2.75 - —
maroon, bbls lb. 3.60 - 5.90
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 - —
light shade, same basis lb. 4.00 - —
medium shade, bbls., same basis lb. 4.25 - —
medium-light shade, bbls., same basis lb. 4.05 - —
orange shade, bbls., same basis lb. 3.95 - —
Lithopone, deep shade, bbls., same basis lb. 1.93 - —
light shade, bbls. same basis, lb. 1.70 - —
maroon shade, bbls., same basis lb. 2.05 - —
medium shade, bbls., same basis lb. 1.85 - —
medium-light shade, bbls., same basis lb. 1.77 - —
orange-red shade, bbls, same basis lb. 1.64 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c per lb higher ex whse. Los Angeles and San Francisco
Carmine No. 40 (see Carmine).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N Y lb. .12¾ - —
Iron oxide, nat., 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., East St. Louis lb. .06 - —
syn. 98% ferric oxide, bgs., c.l., works lb. .12¾ - —
l.c.l., works lb. .13 - —
Lake C toner, alizarin, bbls., works lb. 1.10 - 1.20



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Red lithol toner, bbls., works..lb. .79 - —
rubine toner, pure, bbls., works, lb. 1.50 - —
resinated, bbls., works..lb. 1.40 - —
Virginia type, bbls., works..lb. 1.40 - —
Maroon toner, MNPT, kgs., works..lb. 3.60 - —
10,000-lb. lots, works..lb. 4.22 - —
smaller lots, works..lb. 4.24 - —
Metallic, bbls., c.l., works..lb. .02½- —
l.c.l., works..lb. .02¾- —
Naphthol ITR, bbls., works..lb. 5.25 - —
Oxide (see Red iron oxide).
Persian Gulf, bgs., c.l., works.lb. .06¾- —
l.c.l., works..lb. .07 - —
Para toner, bbls..lb. .95 - —
chlorinated, kgs..lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA, kegs lb. 5.35 - —
tungstated, PTMA, works, kegs, lb. 5.93 - —
Spanish oxide, bbls., c.l., ex dock..lb. .05¾- —
l.c.l., ex dock..lb. .06 - —
ex whse., New York..lb. .06½- —
Toluidine toner, deep shades, kgs., works..lb. 1.60 - —
light shades, kgs., works..lb. 1.60 - —
Turkey, bbls., works..lb. .62 - —
Tuscan, bbls., frt. equald..lb. .24½- .25
Venetian, 15%, bgs., works..lb. .0350- .037
20%, bgs., works..lb. .0475- —
25%, bgs., works..lb. .0525- —
30%, bgs., works..lb. .0550- —
35%, bgs., works..lb. .0575- —
40%, bgs., works..lb. 0625- —
Watchung-type, bbls..lb. 1.95 - —
Red KB base (see 4-Chloro-2-aminotoluene).
Red, precipitate (see Mercuric oxide, red).
Red saunders, NF, powd., bbls..lb. .35 - .40
Reserpine, cryst., bots., 100 gram lots..gram.25.00 - —
25 gram lots..gram.26.00 - —
10 gram lots..gram.27.50 - —
Resorcinol, tech. grade, dms., c.l., works lb. .77½- —
l.c.l., works..lb. .78½- —
USP, cryst., dms., works..lb. 2.75 - —
powd., dms., works..lb. 2.95 - —
Monoacetate, NF, dms..lb. 3.00 - 3.25
Rhatany root, bgs..lb. .15 - .16
Rhodinol, 5-lb. cans..lb.25.50 -34.00
Rhubarb root, China, whole, cs lb. .75 - .85
powd., bbls..lb. .90 - .95
India, whole bgs..lb. .35 - .40
powd., bbls..lb. .43 - .45
Riboflavin USP bots., dlvd kilo 10.00 - —
readily soluble, bots., dlvd kilo.130.00 - —
5'-phosphate-sodium, 100-gram lots or more kilo.140.00 - —
Rochelle salt (see Potassium-sodium tartrate).
Rosin gum and wood (see Naval Stores Protective Coatings market).
Rotenone, CP, bbls., works..lb.20.00 - —
tech. bbls., works..lb 16.50 - —
Rottenstone, bgs., 5-ton lots, ex-whse lb. .03 - —
ton lots, same basis..lb. .04 - —
Rutin, NF, fib dms 25-kilo lots, kilo.17.50 -18.50
10 to 25-kilo lots..kilo.17.50 -20.00
1 to 10-kilo lots..kilo.18.90 -20.00
Ryania, 100% powd., bgs., c.l., works, lb. .22 - —
l.c.l., same basis..lb. .24 - —

S

Sabadilla seed, powd., bbls..lb. .49 - .49½
activated ground with lime, bbls lb. .30 - .32
Saccharin, USP, gran., soluble, dms., 1000-lb lots lb 1.60 - —
smaller lots lb 1.70 - 1.80
powd., soluble insoluble, dms., 1000-lb. lots lb 1.65 - —
smaller lots lb 1.75 - 1.95
Saffron Spanish, USP, tins..lb.28.00 -30.00
Safrol, dms..lb. 1.25 - 1.50
Sage, Cretan, bgs..lb. .11 - —
Dalmatian, bgs..lb. .40 - —
Italian, bgs..lb. .14 - —
Sago flour, raw, bgs..lb. .06½- .06¾
refd., bgs..lb. .08¼- .08¾
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs..lb. 1.10 - —
Powdered salol, 25c higher
Salt, rock, paper bgs., c.l. 100 lbs. .98 - —
table, vacuum, common, fine, paper bgs. c.l 100 lbs. 1.12 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton.24.00 -28.00
Saltpeter (see Potassium nitrate).
Sandalwood, East Indies, chips bgs. .65 - .66
powd., fib. dms..lb. .75 - .76
Sanguinarine nitrate, lots oz. 4.75 - 5.50
Sarsaparilla root, dom., bls..lb. .45 - .50
imp., Honduras, bls..lb. .45 Nom.
Mexican, bls..lb. .35 Nom.
Sassafras root bark, ord., bls..lb. .45 - —
select, bbls..lb. .65 - —
Schaeffer's salt, paste, dms., frt. alld., 100% basis lb. .95 - —
powd., bgs., frt. alld..lb. .95 - —
Scopolamine hydrobromide, USP, bots oz.12.25 -12.50
Seidlitz mixture, bbls., 5,000-lb. lots lb. 30½- —
smaller lots lb 31 .32
Selenium, powd., dms., dlvd..lb. 6.00 - —
Senega root, bls..lb. 3.50 - —
Senna leaves, Alex., whole and half, bls lb. .19 - —
siftings..lb. .17 - —
Tinnevelly, No. 1, bls..lb. .16 - .18
No. 2, bls..lb. .13 - .15
No. 3, bls..lb. .11 - .13
powdered, bbls., bxs..lb. .18 - —
pods, bls..lb. .14 - —
Serpentaria root, bls..lb. 4.25 - —
Sesame seed, Nicaragua, hulled, ship't, bgs lb. .25 - .25½
nat., bgs..lb. .16½- .17
Salvadorian, natural..lb. No prices.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .60 - —
bbls., 1,500-lb. lots..lb. .62 - —
kgs., 1,500-lb. lots..lb. .63 - —
refd., bgs., 1,500-lb. lots..lb. .68 - —
bbls., 1,500-lb. lots..lb. .70 - —
kgs., 1,500-lb. lots..lb. .71 - —
Bonedry shellac prices for less than 1,500 lb lots, 1c per lb higher for all packages
Lemon, No. 1, bgs., 10-bg. lots..lb. .60 Nom.
No. 2, bgs., 10-bag lots..lb. .58 Nom.
Superfine, bgs., 10-bag lots..lb. .56 Nom.
TN, bgs., 10-bag lots..lb. .55 Nom.
Shellac in 1 to 9 bg. lots, 1c more
Shingle stain oil (see Oil, shingle stain).
Silica, amorph. dry grd. 325 mesh bgs., c.l., works ton.25.00 - —
l.c.l., works ton.30.00 -40.00
hard-quartz, 99½, 325 mesh, bgs. c.l., works ton.20.00 —
l.c.l., works ton.25.00 -30.00
140 mesh bgs., c.l., works ton.15.00 - —
l.c.l. works ton.20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l. works lb. .20 .28½
Silver bullion, ingots, cs Troy oz. .85¼- —
Cyanide, fib. dms., 2,500-oz. lots, oz. .77⅜- —
1,000-oz lots..oz. .77⅜- —
500-oz. lots..oz. .77⅞- —
100-oz. lots..oz. .78⅛- —
Silver nitrate, CP, crystals, bots., 2,500-oz. lots..oz. .54¾- —
1,000-oz. lots..oz. .56 - —
500-oz. lots..oz. .56½- —
250-oz. lots..oz. .57 - —
USP granular silver nitrate 4c per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.03 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Soapbark, whole, bls..lb. No prices
crushed, bls., bbls..lb. No Prices
powd., bbls..lb. No Prices
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.70 - —
l.c.l., stock points..100 lbs. 2.80 - 4.57
bbls., c.l., works 100 lbs. 2.30 - —
l.c.l., stock points 100 lbs. 3.35 - 4.12
bulk, c.l., works..100 lbs. 1.40 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.65 - —
l.c.l., stock points 100 lbs. 3.75 - 4.52
bbls., c.l., works 100 lbs. 2.20 - —
l.c.l., stock points 100 lbs. 3.25 - 5.52
bulk c.l. works 100 lbs 1.35 - —
Caustic, flake, powd., 76% dms., c.l., works, frt. equald., 100 lbs. 4.25 - —
l.c.l., stock points 100 lbs. 5.45 - —
liq., 50%, sellers' tanks, works, dry basis 100 lbs. 2.70 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.70 - 2.80
70%, sellers' tanks, works, dry basis 100 lbs. 2.80 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.80 - 2.90
solid, 76%, dms., c.l., works, 100 lbs. 3.85 - —
l.c.l., stock points 100 lbs. 5.05 - —
Sal., bgs., c.l., works..100 lbs. 1.40 - —
l.c.l., works 100 lbs 1.70 - —
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
dms., l.c.l., works..lb. .12¾- —
NF, 60%, gran., dms., c.l., works lb. .11 - —
dms., l.c.l., works..lb. .1250- —
Alginate, NF, white powd., dms., ton lots, works..lb. .87 - 1.30
refd., bbls., works..lb. .83 - —
p-Aminobenzoate, dms., 1,000-lb. lots or more lb. 2.40 - —
smaller lots..lb. 2.45 - 2.50
p-Aminosalicylate, dms., 1,000-lb. lots or more, frt. adjusted lb. 3.75 - —
smaller lots, same basis lb. 3.80 4.25
Antimoniate, bbls., c.l., dlvd. E lb. .29 - —
l.c.l., dlvd E..lb. .30½- —
Arsenate, dms., c.l., works..lb. .12½- —
l.c.l., works..lb. .13¾- .14¾
Arsenite, dms., c.l., works..lb. .13½- —
l.c.l., works..lb. .14¼- .15½
soln., dms., works..gal. .70 - 1.10
Ascorbate, dms., 25-50 kilo lots, kilo.16.00 - —
10-kilo lots..kilo.16.35 - —
5-kilo lots..kilo.16.75 - —
1-kilo lots..kilo.17.00 - —
bots., 500-gram lots..kilo.17.50 - —
Benzoate, tech., bbls., dms., 100-lb lots or more lb. .39 - —
USP, bbls., dms. 100-lb. lots or more lb. 46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs 3.70 - —
powd., bgs c.l., works 100 lbs 2.30 - —
l.c.l., works 100 lbs 3.30 - —
Bichromate, bgs., c.l., works lb. .11½- —
l.c.l., works..lb. .12 - .13¼

Red Lithol Toner—Sodium Chromate

Sodium bifluoride, bbls., c.l., works, frt. equald. lb. .17½- —
l.c.l., same basis lb. .1790- —
Bisulfate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l., works..100 lbs 2.65 3.85
l.c.l., works..100 lbs 3.05 3.65
Bisulfite, anhyd., bgs., c.l., works, 100 lbs. 4.50 - —
l.c.l., works..100 lbs 4.90 - —
soln., 35°, bbls., c.l., works, 100 lbs 1.40 - —
l.c.l., works..100 lbs 1.80 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .34 - .35
Cacodylate, NF, dms., jars lb 6.25 6.50
Carbonate, anhyd. (see Soda ash).
crystalline decahydrated (see Soda sal).
monohydrated bgs., c.l., works 100 lbs 2.90 - —
l.c.l., works 100lbs 3.30 - —
Carboxymethyl cellulose (see CMC).
Chlorate, cryst., dms., c.l., works lb. .08¾- —
l.c.l., works..lb. .10¼ .11
Chloride, tech. (see Salt).
USP dms lb .05 .12
Chlorite, tech., dms., c.l., works, lb. .58 - —
20-ton lots or more, works, lb. .66 - —
smaller lots, works..lb. .70 - .73
Chloroacetate, tech., dms., c.l., works lb. .27 - —
l.c.l., works..lb. .23 - —
Chromate, dms., c.l., works..lb. .13¼- —
l.c.l., same basis..lb. .13¼ .15

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Sodium Nitrite • Caustic Soda • Ammonium Chloride • Methylene Chloride • Methyl Chloride
Carbon Tetrachloride • Monochlorobenzene • Para-dichlorobenzene • Ortho-dichlorobenzene

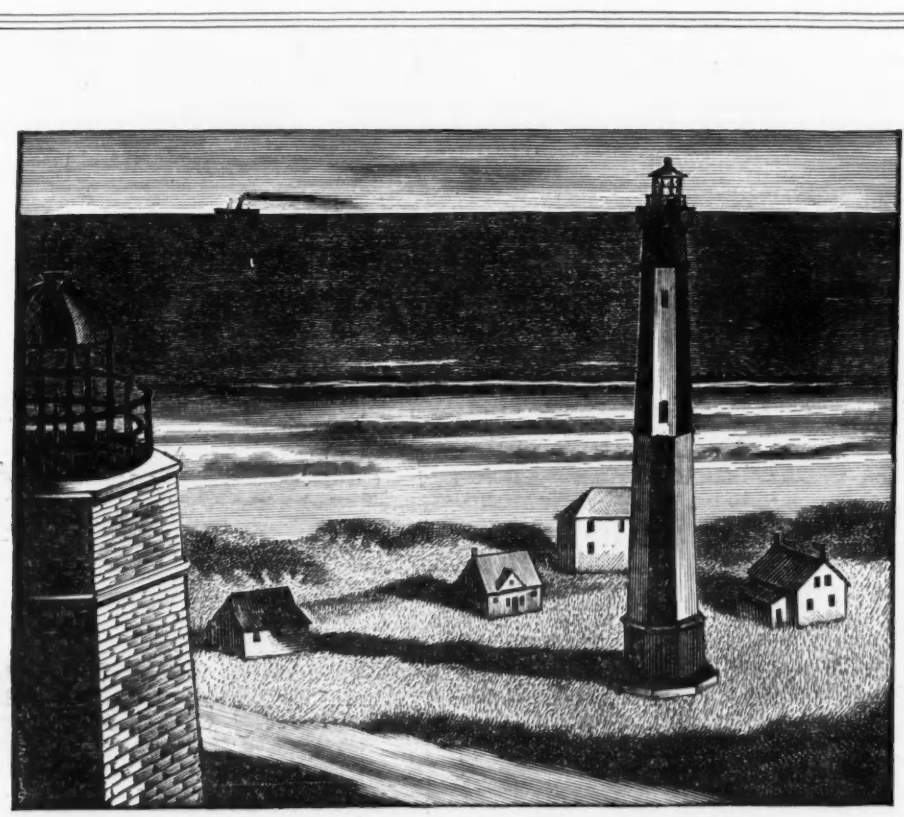
Sodium Citrate, Anhyd.—Sorbitan Monostearate

Sodium citrate, anhyd., dms. lb. .60 - .65
NF VIII, gran., dms lb. .25 - 30½
USP, XVI gran., dms lb. .29½ - .34
Sodium citrate USP powd prices ½c higher
Cyanate, dms., 1,000-lb lots, works lb. .85 - 1.10
smaller lots works lb 1.00 - 1.25
Cyanide flake, 96-98%, dms., c.l. or 20,000 lb lots lb 1.18 - —
over 1,000-lb lots lb 1.38 - —
100-lb to 1,000-lb lots lb 1.58 - —
Granular sodium cyanide 1c higher
Diacetate, 33-35% acidity, 250-lb. cms., works lb. .14 - —
l.c.l., works lb. .14¾ - —
anhyd dms. c.l., works lb. .17 - —
l.c.l., works lb. .17¾ - —
Dichromate (see Sodium bichromate)
Ferrocyanide, bgs., 10-ton lots lb. .13½ - —
smaller lots lb. .14 - —
Fluoride white 97% bbls., c.l., works lb 1250 - —
l.c.l. works lb 1290 - —
Formate, bgs., c.l., dlvd. E 100 lbs. 7.60 - —
l.c.l. works 100 lbs 8.65 - —
Gluconate 100-lb fib dms lb 0.50 - —
Gluconate, refd., dms. lb. .80 - .83
tech., dms lb. .35 - —
Glutamate, mono-, dms., c.l lb 1.55 - —
Glycerophosphate, NF, cryst., bbls. lb. 2.10 - 2.25
powd., bbls lb 2.25 - 2.30
soln., 75%, cbys lb. 1.45 - 1.60
Hydride, dms., works lb. 1.80 - 3.00
Hydrosulfide (see Sodium sulfhydrate).
Hydrosulfite, dms., c.l., frt. alld lb. .20 - —
l.c.l., frt. alld lb. .20½ - —

Sodium hydroxide, tech. (see soda caustic).
Sodium pellets, 100-lb dms 1 to 100 dm. lots lb. .18½ .23
Hypophosphite, NF, dms., ton lots or less lb. .95 - .98
Hyposulfite, NF (see Sodium thiosulfate)
pea crystals, bgs 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
photo grade, bgs., c.l., works, 100 lbs. 4.50 - 4.75
l.c.l. works 100 lbs. 5.00 - 5.05
tech., bgs., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - 6.90
Sodium hyposulfite crystals in bbls., 50c higher.
Iodide, USP, bots., dms lb. 2.55 - —
Lactate, edible, 50%, cbys., dms., works lb. .21½ - —
60%, cbys., dms., works lb. .23½ - —
tech., 50%, cbys., dms., works, b. .16¼ - —
Lauryl sulfate, dms., c.l., dlvd lb. .22 - —
l.c.l., dvld lb. .23 - —
tanks, dlvd lb. .20 - —
Metabisulfite (see Sodium bisulfite).
Metaborate, octahydrate, gran., bgs., c.l., works ton.78.50 - —
l.c.l., ex whse ton.124.50 - 129.50
Sodium metaborate, octahydrate in bbls. $24.50 per ton higher
Tetrahydrate, c.l., bbls., works. ton.199.50 - —
Metallic, bricks, bbls., works lb. .17 - .19
tanks, works lb. .16 - —
Metanilate, bbls., frt. alld lb. .62 - —

Sodium metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.10 - —
l.c.l., works 100 lbs. 5.20 - 7.10
dms., c.l 100 lbs. 5.25 - —
l.c.l. 100 lbs. 5.60 - 6.00
Pentahydrate, bgs., c.l., works. 100 lbs. 4.10 - —
l.c.l., works 100 lbs. 4.45 - —
dms., c.l., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 5.10 - —
Molybdate, bbls., cbys., works lb. .85 - .95
anhyd., powd., dms., works lb. .85 - .92
cryst., dms., works lb. .70 - —
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .70 - —
Nitrate, crude, dom., bgs., c.l., works ton.47.00 - —
bulk, c.l., works ton.43.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ton.51.25 - —
bulk, c.l., same basis ton.47.75 - —
Nitrite, USP, bbls., c.l., works, frt. equald lb. .08 - —
l.c.l., same basis lb. .09½ - —
Orthosilicate, conc. dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.35 - 6.75
hydrated flake bbls. c.l. works 100 lbs. 5.25 - —
l.c.l., dlvd. 100 lbs. 7.00 - —
Oxalate, 98%, bgs., works 100 lbs. 10.85 - —
Para-aminobenzoate (see sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate)
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½ - —
l.c.l., same basis lb. .26½ - .28½
pellets, bgs., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .26 - .28

Sodium pentachlorophenate, powd., bgs., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .25 - .27
Pentachlorophenate, 20,000 lbs. min. truckloads, ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .193 - —
l.c.l., works lb. .198 - —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .1860 - —
l.c.l., same basis lb. .1910 - .2010
Phenolsulfonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., frt. equald 100 lbs. 7.45 - —
l.c.l., works 100 lbs. 7.85 - —
USP dried powd., bgs., dms., works lb. .19 - .20½
monobasic, anhyd., bgs., c.l., frt. equald 100 lbs. 8.45 - —
l.c.l., frt. equald 100 lbs. 8.90 - —
duohydrate, bgs., c.l., frt. equald 100 lbs. 7.95 - —
l.c.l., frt. equald 100 lbs. 7.25 - —
tribasic, cryst., bgs., c.l., frt. equald 100 lbs. 4.20 - —
l.c.l., frt. equald 100 lbs. 4.60 - —
Sodium phosphates in dms. 60c higher than bgs
Prussiate, yellow (see Sodium ferrocyanide).
Pyrophosphate, acid., bgs., c.l., works, frt. equald 100 lbs. 10.75 - —
ferric, dms., 1,500-lb lots, works. lb. .31 - —
smaller lots, works lb. .32 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.90 - —
l.c.l., frt. equald 100 lbs. 8.10 - —
Salicylate, USP, dms lb. .68 - —
Sesquicarbonate, bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., dlvd., zone 1 100 lbs. 3.65 - 4.10
zone 2 100 lbs. 4.10 - 4.35
zone 3 100 lbs. 4.40 - 4.65
zone 4 100 lbs. 5.10 - 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Sesquisilicate, hydrated, bgs., c.l., works 100 lbs. 4.60 - —
l.c.l., works 100 lbs. 4.95 - —
dms., c.l., works 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 5.35 - —
Silicate, liq., 40° 1:2:3, turbid, dms., c.l., works 100 lbs. 1.35 - —
l.c.l., works 100 lbs. 1.70 - 2.30
tanks, works 100 lbs. 1.00 - —
Silicate, liq., 47°, turbid, 1:2.9, dms., c.l., works, 100 lbs. 1.95 - —
l.c.l., dms., works. 100 lbs. 2.55 - 2.80
tanks, works 100 lbs. 1.60 - —
52°, turbid, 1-2-3, dms., c.l., works 100 lbs. 2.30 - —
l.c.l., works 100 lbs. 2.65 - 3.05
tanks, works 100 lbs. 1.95 - —
solid, 1.3.2, bgs., works ton 57.50 - —
Silicofluoride, bgs., c.l., works lb. .07 - —
l.c.l., works lb. .07 - .08
Sodium silicofluoride in dms., 4-10c higher
Stannate dms., works, frt alld. E lb. .517 - .571
Sulfa drugs (see Sulfa name).
Sulfanilate, bbls., works lb. .22 - —
Sulfate, NF, VII, dried, powd., dms lb. .22½ - —
tech., anhyd., bgs., c.l., dlvd., E ton.50.00 - 52.00
rayon grade bgs. c.l. works.
detergent grade, bgs., c.l., works ton.34.00 - —
ton.31.00 - —
USP, cryst., fib dms lb. .17½ - .18
gran. fib. dms lb. .17½ - .18
Sulfide, flake, dms., c.l., works, E., frt. equald lb. .05¼ - —
l.c.l., same basis lb. .05¾ - —
fused, bbls., c.l., works, E., frt. equald lb. .04¾ - —
l.c.l., same basis lb. .05¼ - —
Sulfite, anhyd., bgs., c.l., works. 100 lbs. 3.00 - —
l.c.l. same basis 100 lbs. 3.50 - —
powd., bbls., c.l., works 100 lbs. 7.25 - —
l.c.l., works 100 lbs. 7.50 - —
Sulfhydrate, flake, 70-72%, dms., c.l., works lb. .06½ - —
l.c.l., works lb. .07 - —
liq., 40-44%, tanks, works, 100% basis ton.110.00 - —
Sulfocyanide, CP, (see Sodium thiocyanate).
Tetraborate (see Borax).
Tetrasulfide, liq., 40%, dms., c.l., works lb. .¼ - —
l.c.l., works lb. .04 - —
Thiocyanate, CP, dms lb. .55 - .65
Thiosulfate, NF, cryst., bbls lb. .12½ - —
tech., dms. works lb. .377 - —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½ - —
5-ton lots, works lb. .10¾ - —
1 ton or less, works lb. .11 - —
Trichloroacetate, 99% 100-lb. dms., c.l., frt. alld., E lb. .37½ - —
l.c.l., frt. adjusted, E lb. .39½ - —
50-lb dms., c.l., frt. alld. E. lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld. E. lb. .44 - —
l.c.l., frt. adjusted, E lb. .46 - —
Prices on Sodium trichloroacetate W. of the Rockies are 1¼c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 8.05 - 8.25
l.c.l., same basis 100 lbs. 8.30 - 8.45
Trisilicate, powd., 1:32.2, bgs., c.l., works 100 lbs. 8.65 - —
l.c.l., works 100 lbs. 9.40 - 13.35
dms., c.l., works 100 lbs. 9.05 - —
l.c.l., works 100 lbs. 9.80 - 13.35
Tungstate, tech., kgs., dlvd. E lb. 1.80 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb .23 - —
Sodium-carboxymethyl cellulose (see CMC).
Sodium cinchophen (see Cinchophen sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 - —
l.c.l., same basis lb. .21½ - —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb lots or more works lb. .28 - —
smaller lots, same basis lb. .30 - —
Solvent naphtha, coaltar, high flash, tanks, works gal. .31 - .35
petroleum (see Petroleum solvent, partial aromatic).
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works lb. .32 - —
10,000 to 20,000-lb. lots, works, lb. .34 - —
smaller lots, works lb. .37 - .39



FAMOUS LIGHTHOUSES OF AMERICA

CAPE HENRY LIGHT, located on the south side of the entrance to Chesapeake Bay, was the first lighthouse to be built by the United States. The octagonal tower of sandstone, 129 feet high, was constructed of materials gathered while Virginia was still a colony. This original structure still stands, though it was damaged during the Civil War and is no longer in use. It was replaced in 1881 by the present lighthouse, a cast iron tower 167 feet high, located 337 feet to the northeast.

Pointing the way to progress in the development and use of electrochemicals is the pioneering research of Niagara Alkali Company. Niagara was the first in the country to produce several of these important materials and through research is constantly improving the usefulness of Nialk® Liquid Chlorine, Nialk Caustic Potash, Nialk Carbonate of Potash, Nialk Caustic Soda, Nialk Paradichlorobenzene, Nialk TRICHLORethylene, Niagathal® (Tetrachloro Phthalic Anhydride).

NIAGARA ALKALI COMPANY
60 East 42nd Street, New York 17, N. Y.

Sorbitan tristearate, fib. dms., 20,000-lb. lots, works lb. .33 - —
10,000 to 20,000-lb. lots, works lb. .35 - —
smaller lots works lb .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
1 to 5-ton lots works lb. .32 - .33
powd., dms., 1 to 5-ton lots, works lb. .38 - .39
soln., coml., aqueous, dms., c.l., works lb. .24½ - —
ton lots works lb. .25 - —
smaller lots, works lb. .25¼ - —
tanks, works lb. .21½ - —
reg., 70%, aqueous, dms., c.l., works lb. .16 - —
ton lots works lb. .16¾ - —
smaller lots, works lb. .17 - —
tanks, works lb. .15 - —
Soybean meal, 44%, bulk, Decatur. ton.68.00 -69.00
protein, chemically isolated, bgs., c.l., works lb. .23 - —
mechanically refd., bgs., c.l., works lb. .06 - —
Sparteine sulfate, cns oz. .85 - .95
Spearmint leaves, dom., bls lb. .75 - —
imp., bls lb. 1.25 - —
Spruce extract, liq., reg. tanks, works lb. .01¾ - —
powd., super bgs., c.l. works, lb. .05¼ - —
l.c.l. works lb. .05½ - —
Squill, white, bls lb. .17 - .19
powd., bbls, bxs lb. .18 - .21
St. John's bread, edible bls lb. .13 - .15
Stannic chloride, anhyd., dms., works lb. .729 - .739
Oxide, dms., dlvd. E lb. .89 - .90
Stannous chloride, anhyd., dms., works lb. .775 - 1.043
Hydrous (crystals), dms., works, lb. .73½ - .74½
Sulfate, dms., works lb. .89½ - .93½
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 7.14 - —
l.c.l. 100 lbs. 7.29 - —
powd., paper bgs., c.l 100 lbs 7.26 - —
l.c.l. 100 lbs. 7.41 - —
Prices for corn starch in cotton bags 25c per 100 lbs higher.
Potato, dom., Idaho, bgs., c.l., works lb. .06¾ - —
Maine, bgs., c.l., works lb. .06 - —
l.c.l., spot lb. .08 - .08½
Rice, bgs., l.c.l. lb. .15½ - .16
Wheat, bgs. lb. .0755 - .0780
Star root (see Helonias root).
Stargrass Root (see Aletris root).
Stavesacre seed, bgs lb. .60 - .61
Stearine oleo (see Oleostearine).
Stomach substance, not USP, 100-lb. fib. dms lb. 2.90 - —
Stramonium leaves, bgs lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .15 - —
Sulfate, bulk gram. .15 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, pure, dms., 5-ton lots or more, works lb. .35 - —
1-ton lots, works lb. .37 - —
tech., dms., works lb. .19 - —
Chromate, bbls., works lb. .46 - —
Iodide, jars, 25-lb. lots lb. 3.42 - —
Nitrate, bbls., c.l., works 100 lbs.11.00 - —
l.c.l., works 100 lbs.12.00 - —
Salicylate, NF, dms lb. 1.65 - —
Sulfate, air floated, 90%, 325 mesh, bgs., works ton.56.70 -66.15
Strophanthin, K, bots oz.25.00 -25.50
G, (see Ouabaine, USP).
Strophanthus seed, Kombi, biologically tested, bgs lb. 3.50 - 3.75
Styrax, USP, cs lb. .78 - .80
Strychnine, NF, powd., cns., 100-oz. lots oz. 1.10 - —
Phosphate, NF, cns., 100-oz. lots oz. 1.14 - —
Sulfate, USP, cryst., cns., 25-oz. lots oz. .96 - —
powd., 100-oz. lots oz. .85 - —
Styrene monomer, polymer grade, 99½%, dms., c.l., frt. equald. lb. .22¼ - —
l.c.l., same basis lb. .23¼ - —
tanks, same basis lb. .21 - —
synthetic rubber grade, 99%, dms., c.l., frt. equald lb. .19¼ - —
l.c.l., same basis lb. .20¼ - —
tanks, same basis lb. .18 - —
Styrolyl acetate, bots lb. 1.45 - 1.70
Sucrose, refd., white, bgs., refy., E. 100-lbs. 8.65 - —
Octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works. lb. .76 - —
Sulfabenzamide, dms lb. 4.00 - 4.50
Sodium, dms lb 4.10 4.60
Sulfacetamide, fib. dms lb. 4.00 - 4.20
Sodium, fib dms lb. 5.00 5.20
Sulfadiazine, USP, microcrystals, dms lb.10.60 -11.10
powd., dms lb.10.25 -10.75
Sulfadiazine-sodium, USP, dms lb.11.25 -11.75
microcrystals, dms lb.10.60 -11.10
Sulfaguanidine, USP dms lb. 2.50 - —
Sulfamerazine, USP, microcrystals. lb.10.65 -11.15
Sulfamerazine-sodium, USP, dms., lb.11.25 -11.75
Sulfamethazine, microcrystals, dms., lb. 8.90 - 9.40
powd., dms lb. 8.50 - 9.00
Sulfanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms lb. 1.70 - 1.90
powd., dms lb. 1.30 - 1.50
Quinoxaline, veterinary, dms lb. 6.50 - 6.75
Sulfapyridine, NF, powd., bots., tins, lb. 7.00 - 7.50
Sulfapyridine-sodium, monohydrate, dms lb. 7.50 - 8.00
Sulfathiazole, USP, microcrystals, dms lb. 3.15 - 3.30
powd., dms lb. 2.80 - 2.95
Sulfathiazole-sodium, USP, dms lb. 3.05 - 3.20
Sulfur, coml., flour, bgs., mines, bbls., mines 100 lbs. 3.05 - —
100 lbs. 2.30 - —
lump, bgs., mines 100 lbs. 2.20 - —
bbls., mines 100 lbs. 2.65 - —
crude, bulk, c.l., mines, contract, long-ton.26.50 - —
export, f.o.b. vessels, Gulf ports long-ton.31.00 -33.00
domestic and Canada, f.o.b. vessel Gulf port long-ton.28.00 -29.50
refd., flowers, USP, bgs., mines. 100 lbs. 4.00 - —
bbls. 100 lbs. 5.25 - —
flour, light, bgs., mines 100 lbs. 3.60 - —
bbls., mines 100 lbs. 4.50 - —
lump, bgs., mines 100 lbs. 3.30 - —
rolls, bgs., mines 100 lbs. 3.85 - —
bbls., mines 100 lbs. 4.40 - —
salt block, bgs., mines 100 lbs. 3.50 - —
virgin block, bbls., mines 100 lbs. 3.45 - —
rubbermakers, coml., reg., bgs., mines 100 lbs. 2.40 - —
bbls., mines 100 lbs. 3.55 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.50 - —
bbls., mines 100 lbs. 3.65 - —
refd., bgs., mines 100 lbs. 3.25 - —
bbls., mines 100 lbs. 4.30 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.70 - —
bbls., mines 100 lbs. 3.85 - —
10% pine tar, bgs., mines. 100 lbs. 3.90 - —

Sulfur dichloride, dms., c.l., works, frt. equald. lb. .03¾ - —
l.c.l., same basis lb. .04½ - —
tanks, same basis lb. .03½ - —
Dioxide, liq., coml., cyls., works. lb. .09 - —
multi unit cars works lb. .0535 - —
tanks works lb. .045 - —
refrigeration, cyls., c.l., dlvd lb. .24 - —
Monochloride, 55-gal., dms., c.l., frt. equald lb. .03¾ - —
l.c.l., same basis lb. .04½ - —
tanks, same basis lb. .03½ - —
Sumac leaves, 28%, bgs., ex-dock, ton.125.00 - —
ground, bgs., ex-dock ton.120.00 - —
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Balto., unit-ton. .88 - .91
Carteret, N. J. unit-ton. .88 - .91
Triple, 46% or more, a.p.a. pulv., bulk, c.l., East Tampa, Fla. unit-ton. .98 - —

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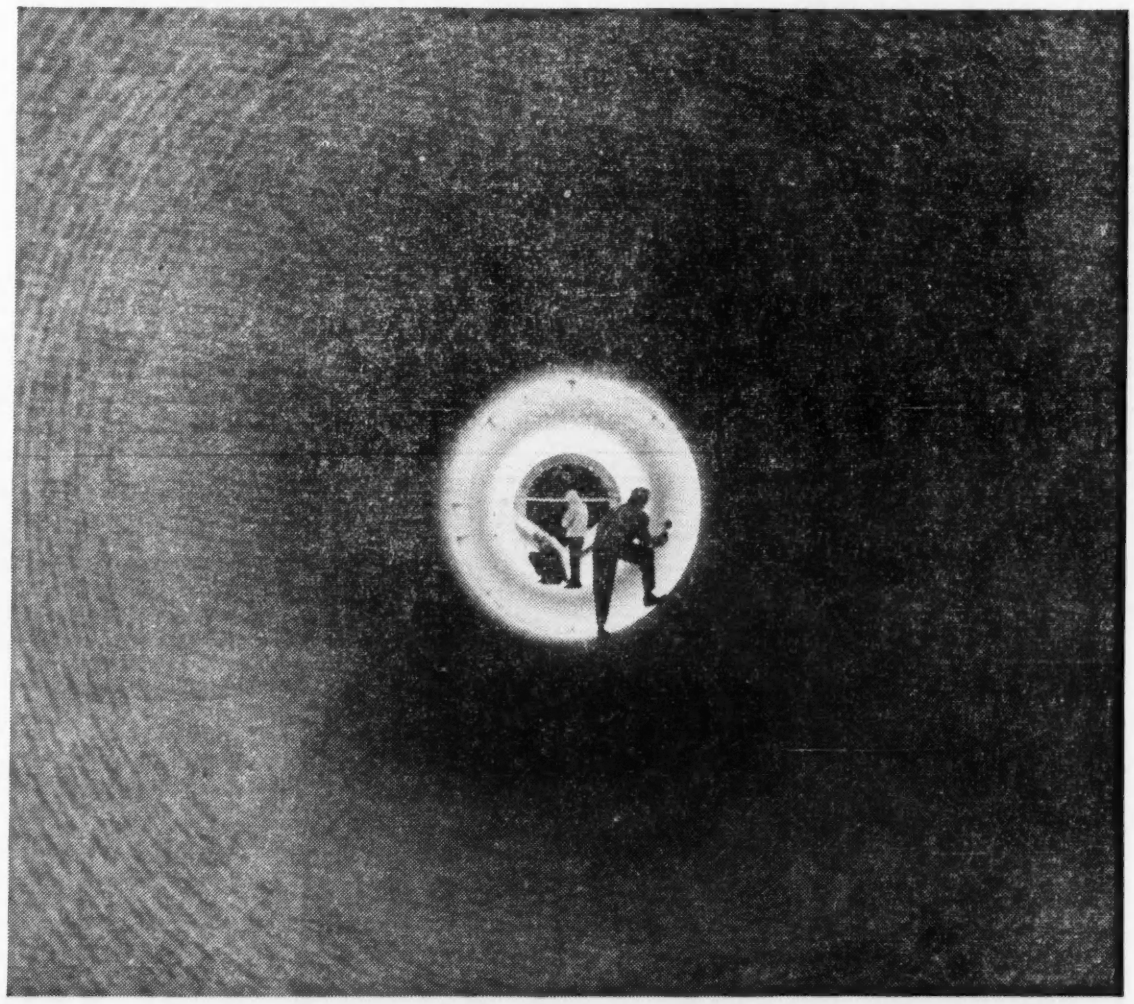
2,4,5-T dms., c.l., works, frt. equald. lb. 1.25 - —
l.c.l., same basis lb. 1.30 - 2.30
Isopropyl, ester, dms., c.l., works, frt. equald lb. 1.30 - —
l.c.l., works lb. 1.35 - —
Talc, dom., ord., Calif., grad., bgs., c.l. works ton.32.00 -38.50
Vermont off color, grd., bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, grd., bgs., c.l., works ton.25.00 -30.00
l.c.l. works ton.28.00 -30.00

Talc, fibrous, 99.5%, 325 mesh, bgs., c.l., works ton. 27.00 - —
l.c.l., works ton.30.00 -32.00
99.95% micronized, bgs., works ton.36.00 - —
tmp., Canadian grd., bgs., c.l., mines ton.15.25 -35.00
Tallow, edible, tanks, dlvd. lb. .11½ Nom.
inedible, extra, tanks, dlvd lb. .08½ - —
fancy, bleachable, tanks, dlvd. lb. .08¾ - —
No. 1, tanks, dlvd lb. .07¾ - —
special tanks, dlvd lb. .08 - —
sulfonated, 25%, bbls., l.c.l. lb. .07¾ - .09
50%, bbls., l.c.l. lb. .09¾ - .11
Tankage, animal, feeding, 9-11% ammonia, bulk unit-ton. 6.00 - —
Chicago unit-ton. 6.75 - —
Tapioca flour, Brazilian, ex whse, bgs lb. .08½ - .09
Siamese, top grade, ex whse lb. .06¾ - .07
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .47 - .49
l.c.l., same basis gal. .50 - .51
tanks, same basis gal. .39 - —
25-28%, dms., c.l., same basis. gal. .54 - .56
l.c.l., same basis gal. .57 - .58
tanks, same basis gal. .46 - —
50-53%, dms., c.l. same basis. gal. .70 - .72½
l.c.l., same basis gal. .73½ - .74½
tanks, same basis gal. .62½ - —
Coal (see Coaltar).
Tartar emetic (see Antimony-potassium tartrate).
Terpine glycol ether, dms., c.l., works lb. .23½ - —
l.c.l. works lb. .25½ - —
tanks, works lb. .22 - —

Sorbitan Tristearate—Thallium Metal

Terpine hydrate, coml., bbls., c.l. lb. .24½ - —
l.c.l. lb. .25 .25½
NF, cryst., fib. dms lb. .57½ - .62
powd., fib. dms lb. .65 .69
a-Terpineol, dms., l.c.l., dlvd. E lb. 19 - —
Terpineol, coml., dms., c.l., South. lb. .13½ - —
l.c.l., South lb. .14 - —
extra, dms lb 41 60
prime, dms lb. .30 .45
Terpinyl acetate, extra, cns., dms. lb. .60 .75
prime, dms lb .55 .70
Propionate, dms. lb. 1.75 2.00
Terra alba, (see Gypsum).
Testosterone, USP, 100-gm. lots, bots gram. 79 - —
Propionate, USP, 100-gm. lots, bots gram. .75 - —
Tetrachloroethane, dms., works lb. .14½ - —
Tetrachloroethylene, tech. (see Perchloroethylene), USP, 55 gal. dms., works lb. .20½ - .21½
smaller dms., works lb. .23½ - .25
Tetraethyl orthosilicate, dms., c.l., dlvd. E lb. .64 - —
l.c.l., dlvd. E lb. .65 - —
Pyrophosphate, 40%, cns., dms., frt. equald lb. .69 - —
Tetraethylenepentamine, dms., c.l., dlvd. E lb. .57½ - —
l.c.l., dlvd. E lb. .58½ - —
tanks, dlvd. E lb. .56 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb 12.50 -15.00
Sulfate, 99%, bots., dlvd lb. 8.00 -13.00



bull's-eye for quality

This huge calciner represents just one step in the TITANOX quality story. In this mammoth rotary kiln, titanium hydrate is converted to titanium dioxide. Here are developed, through careful heat treatment, the unique optical properties of TITANOX pigments—unsurpassed whitening, brightening and opacifying power.

Subsequent operations add to these optical properties such desirable qualities as ease of dispersion and freedom from coarse particles.

From the full lines of "pure" and composite TITANOX white pigments, you can select one or a combination to fit any of your pigmentation needs. Your TITANOX representative and our Technical Service Department are always ready to help you make the right choice. Titanium Pigment Corporation, 111 Broadway, New York 6, N. Y.; Atlanta 2; Boston 6; Chicago 3; Cleveland 15; Los Angeles 22; Phi'adelphia 3; Pittsburgh 12; Portland 9, Ore.; San Francisco 7. In Canada: Canadian Titanium Pigments Limited, Montreal 2; Toronto 1.

®TITANOX
the brightest name in pigments

2816-A TITANIUM PIGMENT CORPORATION
Subsidiary of NATIONAL LEAD COMPANY

Theobromine—Viosterol

Theobromine, NF, fib. dms ..... lb. 3.75 - —
And sodium acetate USP, fib dms lb. 4.05 - 4.10
Sodio-Salicylate, NF, fib. dms lb. 3.35 - 3.40
Theophylline, anyhd. or USP, 100-lb. dms lb. 3.65 - —
Thiamine hydrochloride, USP, regular or ampul-type, fib dms. kilo.100.00 - —
Mononitrate, USP, fib. dms kilo.100.00 - —
Thiocarbanilide, dms lb 50 - .52
Thiodiphenylamine (see Phenothiazine).
Thiourea, tech., dms., c.l., works lb. .40 - —
l.c.l., works lb. .42 - —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works lb. 3.50 - —
dl-Threonine, bots., 1-kilo lots kilo.450.00 - 500.00
Spanish, bgs. lb. .10 - —
Thyme leaves, French, bgs ..... lb. .20 - —
Thymol, fib. dms ..... lb 2.75 - 3.00
Iodide, NF, dms ..... lb. 7.30 - —
Timbo root (see Cube root).
Tin chloride (see Stannous chloride, anhydrous).
crystals (see Stannous chloride, dihydrous).
Tin metal (Straits) ..... lb. .86½- —
Oxide (see Stannic oxide).
Sulfate (see Stannous sulfate).
Tetrachloride anhyd (see Stannic chloride, anhydrous).
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd lb. .22½ —
l.c.l., dlvd lb. .23½ —
ceramic, bgs., c.l., dlvd lb. .22½ —
l.c.l., dlvd lb. .23½ —
reg., bgs., c.l., dlvd ..... lb. .22½ —
l.c.l., dlvd lb. .23½ —
metallurgical, nat., gran., bgs., c.l., f.o.b. Jacksonville, Fla. ton.120.00 - —
Niagara Falls, N. Y. ton.137.50 - —
5-ton lots, same basis ton.142.50 - —
ton lots, same basis. ton.147.50 - —
Milled titanium dioxide $7.50 per ton higher.
rutile, non-chalking, bgs., c.l., dlvd E lb. .24½ —
l.c.l., dlvd E lb. .25½ —
Hydride, cns., works ..... lb. 7.95 - 9.00
Pigment, calcium-rutile base, bgs., c.l., dlvd E. .08¾- —
l.c.l., dlvd lb. .08¾- —
Tetrachloride, tech., dms., c.l., works lb. .40¾- —
l.c.l., works lb. .43¾- —
tanks, works lb. .39¾- —
dl-a-Tocopherol, bots ..... kilo.149.65 - —
Acetate, bots ..... kilo.136.00 - —
o-Tolidine base, dist., kgs ..... lb 1.30 - —
Tolu balsam, cns. ..... lb. 4.25 - 4.50
Toluene (see Toluol).
p-Toluenesulfonamide, flake, dms., frt. alld lb. .64 - .66
powd., dms., works ..... lb. .70 - —
solid, dms., frt. alld ..... lb. .61 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
l.c.l., same basis ..... lb. .80 - —
tanks, same basis lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld lb. .23 - —
l.c.l., same basis ..... lb. .24 - —
tanks, same basis ..... lb. .22 - —
p-Toluidine, flake, dms., frt. alld lb. .64 - —
solid, dms., frt. alld. ..... lb. .60 - .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa. ..... gal. .34 - —
Birmingham dist ..... gal. .32 - —
Chicago dist ..... gal. .35 - —
Cleveland, dist ..... gal. .34½- .25
Geneva, Utah ..... gal. .26 - —
Johnstown, Pa. ..... gal. .32 - —
Lackawanna, N. Y. ..... gal. .35 - —
Lone Star, Tex. ..... gal. .33 - —
Lorain, Ohio ..... gal. .33 - —
Minnequa, Colo. ..... gal. .32 - —
Philadelphia district ..... gal. .34 - —
Pittsburgh dist ..... gal. .32 - —
Sparrow's Point, Md ..... gal. .34 - —
Terre Haute Ind ..... gal. .35 - —
Youngstown, Ohio ..... gal. 32½- .33
Petroleum, indust., 2° tanks, works:—
Albany, N. Y. ..... gal. .35 - —
Bayonne, N. J. ..... gal. .34 - —
Baytown, Tex. ..... gal. .33 - —
Chicago, Ill. ..... gal. .35 - —
Detroit, Mich. ..... gal. .35 - —
Houston, Tex. ..... gal. .33 - —
Philadelphia, Pa. ..... gal. .34 - —
Providence, R. I. ..... gal. .35 - —
Wood River, Ill. ..... gal. .35 - —
2,4-Tolylenediamine, cryst., fib., dms., frt. alld lb. .94 - —
powd., same basis ..... lb. 1.00 - —
Tonka beans, Angostura, cks. ..... lb. 1.65 - 1.80
Brazilian, Surinam, cs. ..... lb. 1.00 - 1.25
Totaquine, 100-oz. lots, cns oz. .42 - —
Toxaphene, dms., c.l., t.l., works. lb. .20 - —
l.c.l., t.l.l., works ..... lb .26 - —
Triacetin, dms., c.l., dlvd. E. of Rockies lb. .39 - —
l.c.l., same basis ..... lb. .40 - —
tanks, same basis lb. .37 - —
Tributyl citrate, tech., dms., c.l., works lb. .40½- —
l.c.l., works ..... lb. .41½- —
tanks, works ..... lb. .39 - —
Phosphate, dms., c.l., works lb. .52 - —
l.c.l. same basis ..... lb. .53 - —
tanks, same basis ..... lb. .50 - —
Tributylamine, dms., c.l., works. lb. .67 - —
l.c.l., same basis ..... lb. .68 - —
tanks, same basis ..... lb. .65 - —
Trichlorobenzene, dms., c.l., works. frt. alld. E lb. .14½- —
l.c.l., frt. alld E ..... lb. .15½- —
tanks, frt. alld. E ..... lb. .13 - —
Prices in the West 1¾c. higher.
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald. lb. .11¼- —
dlvd. E ..... lb. .12¼- —
l.c.l., dlvd. E ..... lb. .13½- —
tanks, works, frt. equald ..... lb. .10¼- —
dlvd. E ..... lb. .11 - —
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works ..... lb. .13½- —
tanks, works ..... lb. .11½- —
Tricholine citrate, 65% soln., ret. cbys., works, frt. adjusted lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd. ..... lb .36 - —
tanks, dlvd ..... lb. .33 - —
petroleum, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd. ..... lb. .36 - —
tanks, dlvd. ..... lb. .33 - —
Triethanolamine, dms., c.l., dlvd. E lb. .23¼- —
l.c.l., same basis ..... lb. .24¼- —
tanks, same basis ..... lb. .21½- —
Triethylamine, dms., c.l., works, dlvd. E lb. .47 - —
l.c.l., same basis ..... lb. .48 - —
tanks, same basis ..... lb. .45 - —
Triethyl citrate, tech., refd., dms., c.l., works lb. .48 - —
l.c.l., works ..... lb. .53 - —
tanks works ..... lb. .45¾- —
Phosphate, dms., c.l., works lb. .38 - —
l.c.l., same basis ..... lb. .39 - —
tanks, same basis ..... lb. .37 - —
Triethylene glycol, dms., c.l., dlvd E. lb. .19¾- —
l.c.l., same basis ..... lb. .20¾- —
tanks, same basis ..... lb. .18 - —
Triethylenetetramine, dms., c.l., dlvd E lb. .48½- —
l.c.l., dlvd. E ..... lb. .49½- —
tanks, dlvd. E ..... lb. .47 - —
Trimethylamine, 25-30% soln., dms., c.l., works, frt. equald., 100% basis lb. .42 - —
l.c.l., works, frt. equald, 100% basis lb. .42½- —
tanks, works, frt. equald, 100% basis lb. .33 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .39 - —
l.c.l., frt. equald ..... lb. .40 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripropylene glycol, dms., c.l., frt. alld. E. lb. .19¾- —
l.c.l. frt alld. E. lb. .20¾- —
Prices 1c. per lb. higher in West.
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic)
Phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:75, dms., works lb. 6.25 - —
dl-Tryptophane, fib. cns., works. kilo.165.00 - —
Tuba root (see Cube root)
Tungsten metal, powd., 98.8%, dms., dlvd lb. 4.95 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots ..... gram. .75 - .85

U

Urethane, USP, dms ..... lb 1.50 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, dom., 46% N, bgs., c.l., t.l., dlvd. zone 1 ..... ton.120.00 - —
l.c.l., ex whse., zone 1 ton.140.00 - —
45% N, bgs., c.l. (30 tons), dlvd. zone 1 ..... ton.137.00 - —
Zone 2 ..... ton.153.00 - —
Zone 1 prices are basis delivered Kan., Neb., N. Dak., Okla., S. Dak., Tex. and E. Zone 2 prices include all states west of Zone 1.
Urea ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va. ton.128.00 - —
C grade, tankcars, same basis. ton.126.50 - —
37 grade, tankcars, same basis. ton.155.50 - —
Uva ursi leaves, bls. ..... lb. .12 - .14

V

Valerian root, Belgian, bgs. ..... lb. .38 - .40
dl-Valine, dms., works ..... lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex dock ..... ton.56.00 - —
cups, 28-30% tannin, bgs., ex-dock ..... ton.44.00 -45.00
extract, powd., 63% tannin, bgs., ex-dock, duty extra ..... lb. .08 - —
Vanadium pentoxide, tech., dms., works lb. 1.28 - 1.33
Vanilla beans, Bourbon, tins ..... lb.10.50 -11.00
Mexican, cuts, tins ..... lb.10.25 Nom.
whole, tins ..... lb.10.50 -11.00
Tahiti, cs. ..... lb.10.25 Nom.
Vanillin, ex eugenol, tins, 25-lb. lots. lb. 6.50 - 6.75
smaller lots ..... lb. 6.90 - 7.25
ex guaiacol, tins, 25-lb. lots ..... lb. 3.00 - —
smaller lots ..... lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots ..... lb. 3.00 - —
smaller lots, tins ..... lb. 3.05 - 3.15
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .18½- —
l.c.l., dlvd. E ..... lb. .19½- —
tankcars, dlvd. E ..... lb. .16½- —
tanktrucks, dlvd. E ..... lb. .17½- —
n-Butyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Chloride monomer, tanks, frt. equald. lb. .10½- —
Ether, USP, anesthesia, bots., 50 c.c., hospitals, bot. 1.12 - —
75 c.c. ..... bot. 1.56 - —
Ethyl ether, tech., dms., c.l., works. lb. .26 - —
l.c.l., works ..... lb. .28 - —
tanks, works ..... lb. .25 - —
Isobutyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Methyl ether, cyls., works ..... lb. .23 - —
tanks, works ..... lb. .20 - —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Trichloride (see Trichloroethane).
2-Vinylpyridine, dms., works ..... lb. 1.40 1.5.
Vinyltoluene, dms., c.l., works ..... lb. .20¼- —
l.c.l., works ..... lb. .21¼- —
tanks, works ..... lb. .19 - —
Viosterol, in alcohol, 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in nat. veg. oil, 400,000 to 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .02 - .04¾
lots of 1 billion USP units, 1,000,000 units. .025 - .05¼
lots of less than 1 billion USP units, 1,000,000 units. .03 - .05¾

Vitamin A synthetic acetate crystalline beads, 500,000 A units per gram gram .07¼ - —
dry, 500,000 units per gram, kilo lots kilo 72.50 - —
325,000 units per gram, same basis kilo 47.10 - —
250,000 units per gram, same basis kilo 36.25 - —

Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.

liquid in oil 1,000,000 A units per gram, 1,000,000 units. .12 - —
Palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .12 - —
in oil, 1,000,000 A units per gram 1,000,000 units. .12 - —

B (see Thiamine hydrochloride).
B2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B6 (see Pyridoxine hydrochloride).
B12 crystalline, 1-gram or 5-gram vials gram 245.00 - —
oral grade solids in containers of 1 and 5 grams of B12 activity gram 185.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fish-liver Calciferol and Viosterol)
D2, dry, 850,000 units per gram, kilo lots kilo 42.50 - —
less than kilo lots kilo 45.00 - —
D3 (see Calciferol).
E (see a-Tocopherol and Oil, wheat germ).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K1, 25 gram bots gram 4.50 - —
Violet methyl toner (see Blue methylviolet toner
V M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root, bark, bls lb. 2.50 Nom.
Warfarin, 0.5%, dms., 50 lb lots, dlvd lb 1.95 - —
25-49 lb. lots, f.o.b., N Y., or Chi lb 2.05 - —
5-24 lb lots, cns. f.o.b., N Y., or Chi lb 2.15 - —
Wattle bark, fair average, African, bgs., ex dock ton 98.00 - —
merchantable, bgs., ex dock ton 94.00 - —
extract, liq., 35% tannin, bbls. lb. .09¾ - .10
solid, E Africa, 60% tannin, bgs., ex dock, duty extra lb. .10 - —
S. Africa, 60% tannin, bgs., ex-dock, duty extra lb. .10 - —
Wax, amorph, (see Wax microcrystalline)
Bayberry, bgs., spot lb. .42 - .45
Bees, crude, African, bgs lb. .60 - .62
Brazilian, bgs lb. No stocks.
Central American, bgs lb. .70 Nom.
Chilean, bgs lb. .70 Nom.
refd., bleached, white bricks lb. .72 - .74
slabs lb. .71 - .73
yellow, bricks lb. .62 - .64
slabs lb. .61 - .63
Candelilla, crude, bgs lb. .63 - .65
refd., bgs lb. .66 - .69
Powdered candelilla, 20 mesh, 7c. per lb. higher, 80 mesh, 7c.; 100-200 mesh, 8c.
Wax, carnauba, chalky, bgs., ton lots lb. .68 Nom.
North Country, No. 2, bgs., ton lots lb. .84 - .85
No. 3, Ceara, crude, bgs., ton lots lb. .66 - .69
refd., pure, bgs, ton lots lb. .76 - .78
tech., bgs., ton lots lb. .70 - .72
Parnanyba, crude, bgs., ton lots lb. .71 - .72
yellow, No. 1 Ceara, bgs., ton lots lb. 1.03 - 1.05
Parnahyba, bgs., ton lots lb. 1.08 - 1.09
Powdered carnauba wax price differentials same as powdered candelilla.
Japan, bgs lb. .47 - .48
Microcrystalline, 170°-175° F., m.p., ASTM, penetration 15-20, amber, ctns., 20,000 lbs., group 3, works lb. .13 - .14
smaller lots, same basis. lb. .14 - .15
black, ctns., 20,000 lbs., same basis lb. .11½ - .12½
smaller lots, same basis. lb. .12½ - 13½
white, ctns., 20,000 lbs., same basis lb. .24 - .25
smaller lots, same basis. lb. .25 - .26
180°-185° F.m.p., ASTM, penetration, 7-11; amber, ctns., 20,000-lb. lots, same basis. lb. .16 - —
smaller lots, same basis. lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½ - —
smaller lots, same basis. lb. .15½ - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
smaller lots, same basis. lb. .28 - —
190°-195° F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb. .20 - —
smaller lots, same basis. lb. 20½ -
Montan, dom., refd., bgs. lb. .31 - .32
imp., crude, Bohemian, bgs lb. nil - .12½
German, bgs lb. .14½ - .15
Ouricury, refd., bgs lb. .93 - 1.03
Paraffin (see Pt.
Spermaceti, blocks, cs lb. .25½ .31
cakes, cs lb. 26½ .32
Sugar cane, dom., refd., slabs, works lb. .65 - .75
spot lb. .67¼ - .72¼
White lead (see Lead, white).
White pine bark, rossed, bls lb. .18 - .19
White precipitate, USP, powd., dms. lb. 6.55 -
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb. .18 - .19
rossed, bls lb. .19 - .22
Ginger (see Snake root, Canada).
Witch hazel bark, bls lb. .16 - .17
leaves, bls. lb. .20 - .21
Wollastonite, fine, bgs., c.l., works. ton 39.50 - —
l.c.l., ex whse ton 56.00 - —
medium, bgs., c.l., works ton 27.00 - —
l.c.l., ex whse ton 44.00 - —
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs lb. .20 - .23
Levant, bgs lb. 4.25 - 4.50

X

Xylene (see Xylol).
Xylenol, cryst., 58°-60°C., m.p., dms., l.c.l., works lb. .40 - —
56°-58°C., dms., l.c.l., works, frt. equald lb. .30 - —
45°-47°C., dms., c.l., same basis. lb. .212 - —
l.c.l., same basis lb. .215 - —
tanks, same basis lb. .199 - —
fractions, over 7°C., b.r., except meta, dms., c.l., same basis gal. .90 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —
meta fraction, over 7°C b.r., ams., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
Xylidines, mixed, dms., c.l., truckload, works lb. .39 - —
l.c.l., same basis lb. .40 - —
tanks, same basis lb. .38 - —
Xylol, coaltar indust., tanks, works, Bethlehem, Pa gal. .34 - —
Birmingham district gal. .32 - —
Chicago district gal. .35 - —
Cleveland district gal. .35 - —
Geneva, Utah gal. .27 - —
Johnstown, Pa. gal. .33 - —
Lackawanna N. Y. gal. .35 - —
Lone Star, Tex gal. .33 - —
Lorain, Ohio gal. .33 - —
Minnequa, Colo gal. .34 - —
Philadelphia district gal. .34 - —
Pittsburgh district gal. .32 - —
Sparrows Point, Md gal. .34 - —
Terre Haute, Ind gal. .35 - —
Youngstown, O gal. .32½ - —
petroleum, indust., tanks, works:—
Bayonne, N. J. ga. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill gal. .35 - —
Houston, Tex. gal. .34 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —

Y

Yara yara, cns lb. 2.15 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb dms lb. .52 - —
200 Int'l B units per gram, 100-lb dms lb. .56 - —
300 Int'l B units per gram, 100-lb dms lb. .60 - —
Yellow, barium chromate, CP, bbls., dlvd. N., l.c.l., dlvd N. of Tenn. and N. C., E. of Miss., including Davenport Minneapolis, Rock Island St Louis St Paul lb. .35 - —
Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below
Benzidine AAA, bbls., dlvd lb. 2.00 - —
AAOT, bbls lb. 2.25 - —
Lightfast, bbls. lb. 3.15 - —

Vitamin A—Zinc Cyanide

Yellow, cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.85 - —
lithopone, all shades, bbls., frt. alld., E of Rockies lb 1.15 —

Cadmium yellows, Los Angeles and San Francisco, ex whse., 1c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn., and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island lb. .32 - —

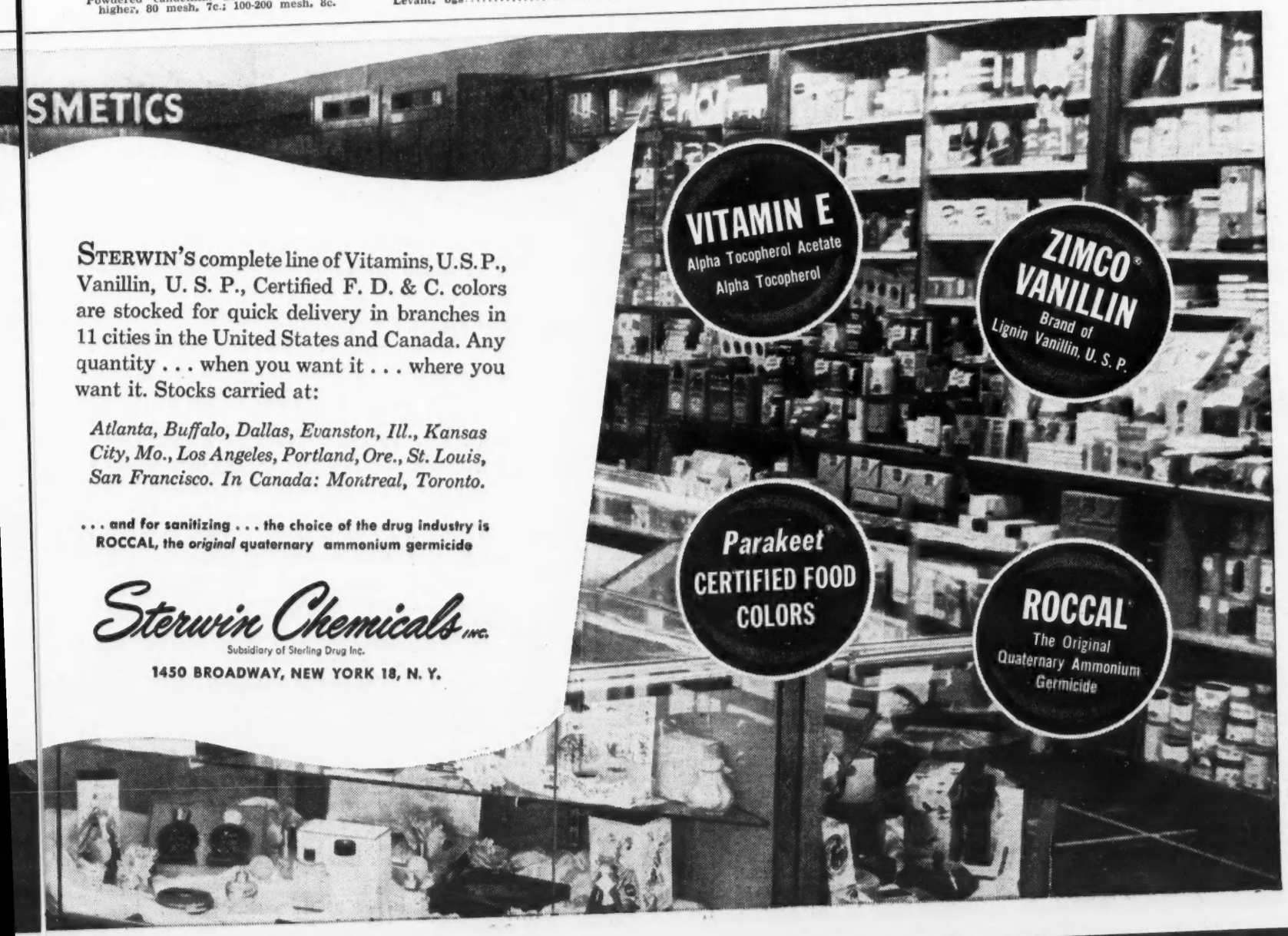
Dlvd Ala. Fla. Ga. La (Shreveport, 1¼c. higher); Miss. N. C., S. C. Penna., Dallas, Tex. 1¼c higher; Ft Worth Tex., 1½c higher; El Paso Tex 2c higher; Cedar Rapids Des Moines Kansas City, Lincoln Omaha St Joseph 1.6c higher dlvd Pac Coast; for Denver Pueblo Salt Lake City Wichita prices are equalized with Chicago

Hansa, 10 G, bbls., same basis as yellow, chrome lb 2.15 - —
G pigment, bbls lb 1.91 - —
Iron oxide, natural, French type, bgs., c.l., works lb. .05¼ - —
Peruvian type, bgs., l.c.l lb. .038 - —
pure, bgs. c.l., works lb. .10½ - —
l.c.l., works lb. .10¾ —
Mercury oxide, bbls., 1,000-lb. lots. lb. 5.58 - —
smaller lots lb. 5.60 - —
Ocher (see Yellow, iron oxide, natural).
Zinc (chromate), bbls., dlvd lb. .26 - —
basic, dlvd lb. .31 - —
Yerba santa leaves, bls lb. 40 - .42
Yohimbine hydrochloride, bots, tin oz. 4.75 - 5.25

Z

Zein, bgs., 30,000-lb lots, works lb. .38 - —
1,000 to 30,000-lb lots, works lb. 40 - —
smaller lots works lb 43 - —
Zinc acetate, tech., bbls., dms., works lb. .27 - —
NF VIII, dms lb. .53 - —
Borate, bgs., c.l., dlvd. E lb. .192 - —
l.c.l. dlvd E lb. .202 —
Chloride, NF, gran., dms lb. .42 - —
precipitated powd dms lb 26 - —
soln., 50%, dms., c.l., works. 100 lbs 5.50 - —
l.c.l., works 100 lbs 6.10 - —
tanks, works 100 lbs 4.85 - —
black, ctns., 20,000 lbs., same basis lb. .18 - —
smaller lots, same basis. lb. .18½ - —
white, ctns., 20,000 lbs., same basis lb. .33½ - —
smaller lots, same basis. lb. .34½ - —
Chloride tech., fused, dms., c.l., works 100 lbs. 10.85 - —
l.c.l., works, dms 100 lbs. 11.35 - —
gran., fib., dms., c.l., works 100 lbs 10.60 - —
l.c.l., works 100 lbs. 11.00 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., 1,000-lb. lots or more, works lb. .523 - —
smaller lots, works lb. .543 - —

—Continued on page 48



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New Hoover Proposals

A preview of the imminent report of the currently functioning Hoover commission mentions among some of the things with which the report will deal the alleged conducting by the federal government of 1,500 activities which "can be regarded as competitive with those of private industry." It will be interesting to learn to what extent the commission lays upon private industry any responsibility for that condition, deriving from failure to do all that is expected of it by the public—something on which more and better information should be got by way of really effective methods of public relations—or from failure to present adequate, clearly deserved, properly constructed opposition to schemes designed to benefit the few at the expense of the many.

According to the preview, the new Hoover report will put a heavier finger than did the previous one on the costliness of the unbusinesslike methods employed in the conducting of government business, whatever the necessity or justification for its doing. But—what will be done about it? Businessmen go into government posts and find out quite soon that they cannot introduce business methods unless they replace at least half of the personnel of the unit in which they are to be active. Civil service, of course, makes that impossible—to say nothing of patronage.

So, the reorganization at which the Hoover commission is aimed is in no way a task to which business as a whole or individual businessmen can apply their ability. That is no reason why business as a whole, business as a particular enterprise, and businessmen individually and in groups should not get in with the Citizens Committee for the Hoover Report to see that the new recommendations get at least as much productive consideration, legislatively and administratively, as was given to the previous report over the past five years. That has resulted in substantial reductions in federal payrolls and is said to have resulted in "prospective" savings of $4,000,000,000 a year on the government side. The new report is said to promise at least a billion dollars' annual relief for business by way of reduced requirements in paper work.

One need but look over the items in the program outlined by President Eisenhower in his recent "State-of-the-Union" message to congress to see that the prospect of some of the above-noted "prospective" savings is not yet a mere matter of months. He will also note that the idea behind those 1,500 activities in competition with private industry has not yet been abandoned in matters of health, housing, and highways—to mention but a few. Reorientation is as necessary and desirable as reorganization in various respects.

Freer Trade Urged

President Eisenhower's message on a foreign trade policy at least measured up to the expectations of those who have been accusing him of leaning toward some sort of theories of internationalism. His request for authority to make reductions selectively and progressively in tariff rates added fuel to the fighting of fire with fire by the forces of Randallism and Brickerism, with a deal of promotive bellows-blowing by those who see no reason for departing from the policy that was constructed under global conditions now barely discernible in the mists of technical and political obsolescence.

A new aspect has been given to the foreign trade policy situation by the advocates of an international economic union of some sort as a part of something in connection with the United Nations. That group has called upon the President and the Congress to take action which will bring such an agency into existence and thereby facilitate trading and other economic relationships among all the nations of the world. The group's position is closely similar to that which is increasing in popularity among some of the major allies of the United States, the basis of which is a belief that economic cooperation and tolerance between East and West would do much to offset the disturbing influence of political rivalries.

Meanwhile, Canada has made a serious plea to this country that it increase its support of the GATT program to add assurance to the survival of the trade agreement project with reference to countries whose economic existence depends on it, but which, of themselves, are not strong or influential enough to maintain it.

It is the general expectation that President Eisenhower's suggestion, or recommendation, of a freer trade policy on a foreign basis will again meet the opposition of the old-line protectionists in congress who cut his similar request in the preceding session to a one-year extention of the reciprocal trade act. It is generally admitted, however, that the President's program will be approved. A bill to that effect has already been introduced and given priority in the house. One thing is certain: the fighting will be hot and heavy.

A rather intriguing aspect of the freer foreign trade subject is presented by evidence that, apparently, the lion and the lamb can lie down together. A ten-day trade show was opened in Chicago January 9 by the National Importers & Novelty Manufacturers Association. The membership of that group comprises American importers and domestic manufacturers of toys and novelties. Peaceful co-existence has many possibilities.

Health Information Project

The month of February is going to be "Family Medicine Chest Time" under a project to which a relatively small number of manufacturers of household medicines are reported to be contributing more than a million and a half dollars. Details have not been disclosed; perhaps have not yet been completed insofar as "copy" is concerned. But the plan is said to include the use of advertising in almost 700 newspapers and a number of major national magazines. Radio and television also will be used, and a series of dealers' aids.

The project is a practical contribution to health service on the spot. It can do much to provide what might well be called health assurance. What it will do in that connection will depend on a number of things, not the least influential of which is the nature and extent of collaboration by local druggists and, to some extent, other local suppliers of articles which should be in the family medicine chest—not all of those are medicines.

It will be helpful if the aids for dealers include adequate information on what should be in the family medicine chest and why, also how those supplies should be used. The public can use a great deal of the proper sort of information with reference to self-medication. Because of the well-known difficulties and delays which attend the getting of professional medical service, the providing of that information should be given serious thought by national organizations in the drug field, especially the Health Information Foundation. There are many who, with a deal of realistic justification, feel that the United States Department of Health, Education and Welfare should expand the informative publication program of the Public Health Service over such areas. They say that the providing of health information for home use is clearly an objective of all three functions for which the department is designated and intended.

Getting away from the academic, the medicine chest project soon to be launched should be participated in actively, if not cooperatively, by all units of every branch of the drug trade. It presents a job which they should help to do effectively. There is all too little time for the formulation of detailed programs; but there is no lack of general knowledge throughout the trade on what would fittingly be done. The doing of it can be developed at state and local pharmaceutical meetings, as well as at the national gatherings of branches of the trade. Something, for example, might well be done at the health forum scheduled by the Brooklyn College of Pharmacy for March 1. In truth, the efficient servicing of family medicine chests would be a broadly useful and beneficial item in college curriculums.

Health care, preventive and remedial, can do much more direct good for the public than health insurance can. Information on such care is not difficult to provide; neither is its implementation by and through the local drug store. In that connection it is interesting to learn that, apart from the medicine chest program, one drug company is going to run a big "Buy-it-at-your-drug-store" campaign during February.

Washington Talks It Over

By Ralph L. Cherry
Chief, OPD Washington Bureau

A number of major federal laws and programs having a particular interest to the chemical and allied industries will have to come before congress for review this session on the question whether they should be continued, modified, or permitted to die. The chances are that each will be extended again for another year or longer.

One of the first to be dealt with will be the question of continued operation of the tin smelter in Texas City, Tex. The plant has been operating for the past year out of deference to congressional wishes while an investigation is made as to the necessity for the plant. Any legislative action in this matter is to be concluded before April 1 under an agreement reached between congress and the administration last year.

Congress also has to decide before April 1 whether it shall continue the emergency 5 percent corporation tax rate in effect and the emergency increases in excise taxes on gasoline, liquor and tobacco. It is almost a certainty that these taxes will be extended, although there will be some protests from the conservative Republican ranks who fought against last year's extension.

Probably the most controversial of the laws to come up for renewal will be the trade agreements act which expires next June 12. If the President's recommendations for a three-year renewal plus added authority to reduce tariffs can get through the house, its approval by the senate is almost a certainty. The house has always been the legislative body most to be feared by the White House whenever this law comes up for extension, and this year will be no exception.

The several other laws and programs due for renewal are the selective service system, the Interstate Oil Compact, the foreign aid program and the Small Business Administration. The draft law expires July 1, as do the foreign aid program and the Small Business Administration. Mr. Eisenhower has suggested reducing the term of service of the draftees in return for service in the military reserve for a stated number of years. Congress appears to be cool towards the idea.

The Interstate Oil Compact is almost sure to be continued beyond its September 1 expiration, but not without some fireworks within the house interstate commerce committee. Members of the committee are demanding an investigation of the operation of the compact, with some of them holding to the view that the compact is more of a price-fixing arrangement than a conservation measure.

The foreign aid program doubtlessly will be continued beyond June 30 as will the operations of the Small Business Administration. A move may be made, in connection with the foreign aid program, to transfer the Foreign Operations Administration over to the State department. It now operates as a separate entity.

Jobless Payments on the Increase

Jobless workers were paid about $2,000,000,000 last year by the state unemployment insurance systems, according to the Department of Labor. This was a larger amount than in any previous history of the federal-state unemployment insurance program. The previous record was $1,736,000,000 paid in 1949.

Last year's payments were higher despite the fact that unemployment among covered workers was higher in 1949 than in 1954. This was due primarily to the increases that have been made over the last five years in the weekly benefit amount paid jobless workers, in the potential duration of benefits, and in the numbers of workers covered by state unemployment insurance laws.

Since 1949 the average benefit check paid jobless workers has increased from $20.48 to about $25. Reports showed that an average of 1,600,000 jobless workers received benefits each week in 1954. Altogether nearly 6,600,000 claimants received one or more benefit checks during the year. In 1949, the average weekly number of workers drawing benefits was 1,066,000 and the total number who received one or more checks during the year was 7,363,900.

Wheat Contamination Probe

The Food and Drug Administration is resuming its checkup on wheat contaminated with bugs and rodent filth, an action which may prove of considerable economic importance to the manufacturers of insecticides and other pesticides. Orders went out to the agency's inspectors early in the month to again begin the sampling of cars of wheat and institute legal action against wheat that has become contaminated.

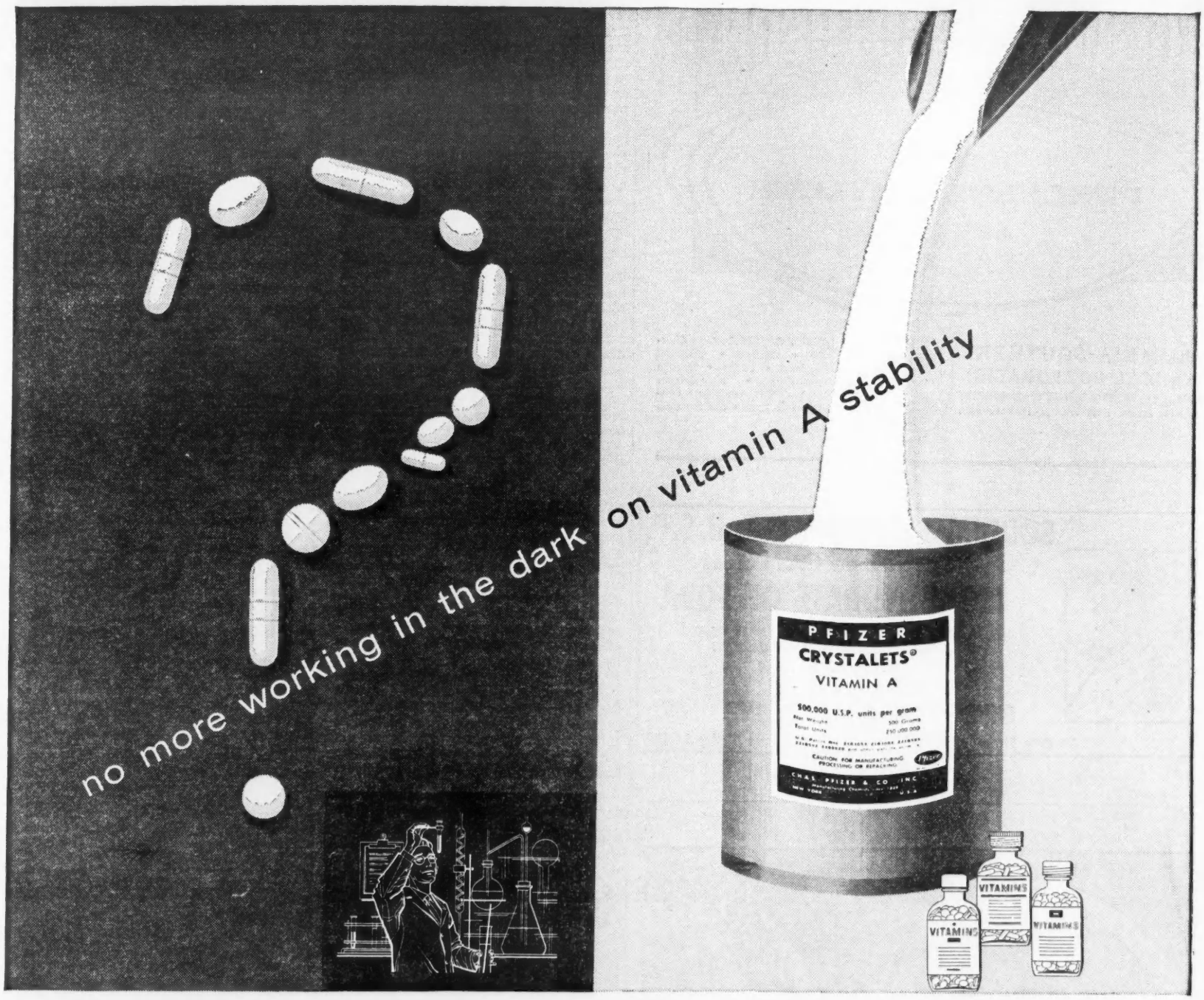
Efforts to clean up the nation's grain and cereal food supply were first started in 1937 with the baking industry. After this part of the program met with success, the FDA moved into the flour mills and within a few years brought about a very marked improvement in conditions. In 1950, the agency then launched the grain sanitation program where it met its greatest opposition. Because of trade objections, actions against insect-contaminated grain had to be postponed until a new basis of inspection could be found that would be more satisfactory.

It had been hoped that in the interim an educational campaign for cleanliness would make it unnecessary to seize the wheat, but this did not prove to be the case. If anything, it served only to advertise to the public that considerable grain is contaminated. FDA feels that its responsibilities under the law are such that it will have to back up the educational program with a program of seizures and legal actions if the problem of contamination is to be met.

Mexican Advertising Rules

It might be a good idea for drug and pharmaceutical manufacturers with agents in Mexico to check with them to see that their advertising copy is in full compliance with the Mexican law.

A little known fact is that the Mexican Department of Health requires advertisers of all remedies to obtain a propaganda number and this is to appear on the bottom of each piece of copy. The requirement has been in existence for some time, but recently the regulations were revised to require that the advertising copy must be submitted annually for new approval and a new propaganda number. Failure to comply can result in a heavy fine.



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Heavy Chemicals

The heavy chemicals market in general showed recovery from the year-end slump. Caustic soda began moving out in good quantity to the rayon industry, as prospects for that branch of textile manufacture looked brighter for 1955. It was believed that sales had been helped in some measure by the 10 cents per hundred allowance on rayon grade caustic to the rayon industry. The economy of rayon manufacture was also given a shot in the arm by the increase in price for saltcake scheduled by some producers January 1 and by others for February 1.

Saltcake was in heavy demand and it was felt that the increase would bring greater returns to an industry which during the major portion of 1954 was in the doldrums. Producers of Manheim saltcake also raised prices. Anhydrous Glauber's salt was boosted, as were rayon and detergent grades of sodium sulfate. Demand for these items continued good from several directions, particularly for dyestuff's and detergents.

Glass industry production began to slip, and as a result dense soda ash shipments showed a seasonal decline. However, light ash moved out very well, with most producers reporting active demand from aluminum, paper and pulp, and phosphate producers. Muriatic acid manufacturers were plagued by heavy supplies, but otherwise, acids moved out to consumers from a fairly well balanced supply position. Aluminum ingots were advanced by two major producers last week, but the advance was not uniform in the industry by presstime.

The American Pulp and Paper Association reported production for the week ended January 8 as 90.9 percent of theoretical capacity, as compared with the revised figure of 70.2 percent for the previous week and 92.0 percent for the corresponding week of last year.

Acid, Boric — Consumers encountered tight spots in some areas, as supplies remained in close balance with demand. Prices were unchanged and steady on contract. There were no changes expected for the remainder of the first quarter.

Acid, Hydrochloric — Contract listings remained without change last week, but it was reported that in most areas of the country heavy production had outweighed demand to such an extent that shaded prices were being asked on spot. Although it was estimated that output of both direct and byproduct acid declined by 4 percent in November, most sources agreed that there was no relief in sight for the currently lopsided supply position.

An encouraging factor in demand was the apparent revival of the textile industry. Cotton production held to a high level, and it was felt that the rayon industry was on its way back after a slack period. Sales to the chemical industry for widely varied end uses held to a good rate, reflecting the general upturn in business during the last quarter of 1954.

Acid, Hydrofluoric — Quotations continued without change last week. It was apparent in the trade that rumors of some months ago concerning price adjustments had failed to materialize, in that price structure at the present time was stable. Material continued to move out in steady volume, although it was noted that glass production had been off slightly during the past few weeks. Supplies were readily available, and consumers had no trouble in getting what they needed for prompt shipment.

Acid, Nitric—Material continued to sell at a good rate to consumers. The steel industry in particular showed good interest over the past week, as it had during the fourth quarter. Trade sources pointed out that although steel production was off some 21 percent in 1954. Output during the last quarter had been very high. Contract listings were firm and unrevised, with production and supplies amply capable of taking care of current demand.

Acid, Sulfuric—The market picked up last week after the slow year-end inventory season. Petroleum refiners, synthetic detergent manufacturers, and the steel industry accounted for large quantities of acid. Inquiry for fertilizer use continued to improve, as the fertilizer industry prepared for spring demand. Contract prices remained the same as previously, and producers contemplated no immediate revision in schedules. Supplies were plentiful.

Price Trends

Advanced

Potassium stannate, 0.4c. per lb.
Sodium sulfate, rayon grade, $2 per ton.
Stannate, 0.4c. per lb.
Stannic chloride, 0.5c. per lb.
Stannous chloride, anhyd, 0.6c. per lb.
hydrous cryst., ½c. per lb.
Sulfate, 0.6c. per lb.
Tin, ⅝c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 15, 1954
98.44	98.39	98.13	98.49

(*For Current Prices see page* 9)

Aluminum Chloride — Schedules remained unaltered last week. Material was reported moving in good quantity on a steady basis. Supplies were plentiful.

Aluminum Fluoride — Buying interest held steady with not too much change in the market. Prices were unrevised. Supplies were readily available for prompt delivery to fill consumer needs.

Ammonium Bicarbonate—Demand was seasonally off last week, according to some producers. However, prices continued steady. Stocks were ample.

Ammonium Thiocyanate—The pickup in buying interest for this item was described as more than seasonal. It was reported that the recent upswing had been due to expanded interests and broader end-use patterns. The current market situation was considered very satisfactory. Technical was quoted unchanged at 20c. per pound, drums, carlots, works, and 22c. to 26c. per pound, less carlots, works, same basis, depending on quantity.

Bromine—Material moved to consumers in good quantity after recent price adjustments. One source noted a general pickup in business since the first of the year. Supplies were obtainable for immediate delivery.

Calcium Chloride—Reports began to vary as to consumption owing to the passing of seasonal peak demand for ice control. One source stated that lack of snow and cold weather in several areas had sharply curtailed orders. Others maintained that demand was still at a high level, as state highway departments ordered in volume for de-icing purposes. Demand for use in cold weather concrete held up well, due in large measure to the heavy highway construction projects now under way in several states.

Chlorine—Demand picked up considerably during the week. Producers said that makers of chlorinated insecticide were beginning to prepare for the spring peak demand season. Manufacture of ethylene glycol continued heavy, with large sales of antifreeze reported. It was also said that current production of titanium sponge was taking a large quantity of chlorine, in that titanium tetrachloride was the basic material reduced to make the sponge.

Supplies continued on the long side, with material readily available from nearly every shipping point. Paper and pulp production accounted for good sized quantities, but the tendency on the part of chlorine producers was to dampen production as much as possible in order to keep the market in fairly steady balance.

Copper Sulfate—Demand for agricultural and industrial uses remained good last week, with a decided upswing in consumption shown by the pesticide industry. Prices were very strong, and in some quarters it was felt that the situation would get even stronger. Supplies were adequate.

Ferric Chloride — The market was steady, and displayed little change over the week. Prices were unchanged. Supplies were plentiful.

Hydrazine—Quotations were unchanged at $3 to $3.30 per pound, drums, f.o.b. Lake Charles, La., as to quantity. Continued interest was shown for use as a reducing agent, as well as for rocket fuel. Hydrazine hydrate, 100 percent, was quoted unchanged at $1.60 to $1.90 per pound, same basis, and 80 percent was quoted at $1.35 to $1.55 per pound, same basis.

Magnesium Chloride—The market saw no unusual activity during the week. Prices held steady and unchanged. Supplies were ample.

Magnesium Sulfate—Producers reported that market interest in epsom salt was slowly dwindling as a result of reduced activity in some of the consuming indus-

For Late Market Developments, See Page 4

tries. The tanning industry in particular showed decreasing interest over the past few years. Imports were also said to be a heavy factor in the current picture, making marked inroads on the business of domestic producers. Prices held steady, with no changes contemplated for the immediate future. Supplies were plentiful.

Potash, Caustic—Producers said that this market, although not seriously affected by the usual year-end slowdown among consuming industries, had recovered a good bit of the ground lost during the inventory period. Soapers in particular were active in the market, withdrawing material against contract in good volume. Prices were steady and unchanged, with supplies comfortable to lengthy, depending on producer.

Potassium Carbonate—Although the glass industry appeared to have passed its peak season for production of large volume items, some of the specialty glass end uses for carbonate held up very well. Good amounts were withdrawn on contract for the manufacture of high quality glass for te'evision tubes, as well as other applications. Price lists were unchanged, with supplies plentiful.

Soda Ash—Prices for 1954 continued last week. Dense ash was offered at $1.70 per hundred pounds, paper bags, carlots, works, and $2.80 to $4.57 per hundredweight, less carlots, f.o.b. stockpoints. Bulk price for 58 percent dense ash remained at $1.40 per hundred pounds f.o.b. works. Light 58 percent ash was offered unchanged at $1.35 per hundred pounds, bulk, carlots, works, and $1.70 per hundred pounds, bags, same basis; less carlots stocks point price was held at $3.75 to $4.52 per hundred pounds, paper bags.

Movement of dense ash was restricted last week by the recent decline in glass production. Producers indicated that the normal pattern of consumption was being followed, in that the glass industry usually had an off season at this time. Light soda ash sales revivied considerably following the midwinter slowdown. The aluminum, pulp and paper, and phosphate industries displayed active buying interest. Supplies of both light and dense ash were comfortable, and consumers encountered no pressure in getting what they needed.

Soda, Caustic—Some sources reported strong demand, and an encouraging outlook for the forepart of 1955, in that the rayon industry was showing marked improvement. It was said that the rayon indusry was in better shape than at this time last year, and that textiles and paper production as well were holding to a good level. Prices held steady after recent reductions on rayon grade material to the rayon industry.

Sodium Silicate—Liquid moved out strongly to the petroleum industry for use as a catalyst, and also to the detergent industry for use as a buffering agent in detergents. Prices continued wihout change.

Sodium Sulfate—Although some producers advanced saltcake prices by $2 per ton effective January 1, several others by the end of last week maintained old prices, bound by contract until February 1. Bulk prices for saltcake at presstime ranged from $24 to $28 per ton, depending on producer. Producers pointed out that the rayon industry, one of the leading suppliers of saltcake, felt that a higher return was desirable in view of rising operational costs. Producers using the Mannheim furnace process for manufacture of hydrochloric acid and saltcake also felt that a greater return was due for cake owing to current curtailed production of hydrochloric acid.

Strong demand for cake continued without letup, and the supply position remained tight, with no prospect of improvement for the near future. Inquiry was active from the pulp and paper industry, particularly for chrome cake. Buying interest was also high for use in detergents and dystuffs. Anhydrous Glauber's salt was also in good demand, but was judged more plentiful by most producers. Prices were increased by $2 per ton for the technical anhydrous material. Suppliers also raised prices for detergent and rayon grades of sodium sulfate by $2 per ton. In several instances the new quotations were scheduled to go into effect February 1, while some makers raised quotations January 1.

Sulfur—Contract prices were extended into 1955 without change. Crude sulfur was offered on contract at $26.50 per ton, long ton bulk, carlots, mines; export quotations ranged from $31 to $33 per ton, f.o.b. long ton, vessels, Gulf ports, and domestic and Canada, $28 to $29.50 per ton same basis. Demand was said to have shown an upward trend during the past few months, owing to the improvement of several consuming industries. Plenty of sulfur was available for immediate needs.

Tin Chemicals—The tin market fluctuated and ended higher. Oxide remained at 88c. to 90c. per pound, as to quantity. Potassium stannate increased to 65.4c. to 71.6c. per pound; sodium stannate, 51.7c. to 72c. per pound; stannic chloride, 72.9c. to 73.9c. per pound; stannous chloride, anhydrous, 77.5c. to $1.043 per pound; hydrous crystals, 73½c. to 74½c. per pound; sulfate, 89½c. to 93½c. per pound.

Nonferrous Metals

Aluminum—A price increase of 1c. per pound for 99 percent ingots was initiated last week by one producer, and closely followed by another. Pigs were also increased by 1c. per pound. New quotations of 23½c. per pound, 10,000-pound lots, delivered for ingots, and 21½c. per pound for pigs, same basis, were scheduled to go into effect on or after February 10. Most sources in witnessing the price rise, felt that such a move was justified in view of increased production costs.

The Aluminum Association reports that shipments of aluminum foil in November amounted to 15,878,835 pounds, or about seven percent above October production. The new figure set another record high in foil output. Primary aluminum production in November amounted to 242,503,923

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pounds, as compared with 250,178,989 pounds in October, and 211,273,802 pounds in November, 1953. Total output for the first eleven months of 1954 amounted to 2,667,061,000 pounds, as compared with a figure of 2,283,446,000 pounds for January-November, 1953.

Copper—Domestic primary copper remained firm and unchanged at 30c. per pound, spot. Stocks remained in close balance with consuming interest. Producers and custom smelters felt the press of tight supplies, and it was said that in all likelihood a larger volume of business could be done if more material was available. It was reported that sales in the primary market for December totaled 107,374 tons. Trade sources were of the opinion that the currently tight situation would improve to some extent due to apparent settlement of labor difficulties in Rhodesia and Chile.

The Bureau of Mines reports that copper production in Michigan in 1954 totaled 23,350 short tons, a decrease of 3 percent under 1953 totals. An agreement with the General Services Administration entered into in the last part of 1953 provides for delivery of up to 7,965,000 pounds of refined copper at 32c. per pound, delivered Connecticut valley. This contract expires December 31, 1955, or earlier if production goals are reached.

Lead—Price continued unchanged at 14.8c. per pound, St. Louis and 15c. per pound, New York basis. Demand was reported fairly good, chiefly for immediate needs. It was reported that November shipments of automotive replacement batteries declined to 2,407,000 units from the October level of 2,667,000 units. Some 2,173,000 units were shipped in November, 1953. 23,613,000 units were shipped in 1953, as compared with 22,453,000 units in 1952.

Tin—Straits metal showed some signs of recovery during the week, rising fractionally to 86½c. per pound, spot. Moderate sales were reported to consumers and dealers. The outlook for tin mill operations was optimistic in most quarters, as it was estimated that products demand would keep mills operating at near capacity levels well into the second quarter.

Zinc—Prices held firm at 11½c. per pound, East St. Louis and 12c. per pound, delivered New York for slab zinc. Special high grade continued to move out well to consumers. In general, bookings for January were said to be very substantial. The London market continued to edge slowly higher, with occasional spots in which heavy sales were reported.

The American Zinc Institute reports December production of all grades of zinc at 85,156 tons, as compared with November output of 80,107 tons, and a monthly average of 72,354 tons. Stocks at producing plants at the end of December amounted to 124,077 tons, as compared with 134,639 tons on hand at the end of November. In December, government withdrawal amounted to 17,218 tons, as compared with November's total of 18,066 tons. Export and drawback accounted for 3,405 tons in December, as compared with 2,477 tons in November.

Hooker Names John Fyffe Sales Representative in N.Y.

John A. Fyffe has been appointed a sales representative for Hooker Electrochemical Company, Niagara Falls, N. Y. After a short period at the Niagara Falls plant, Mr. Fyffe will work from Hooker's New York district sales office in the Lincoln Building, New York City, under the supervision of Harris C. Miller, New York district sales manager. He will handle accounts in the New York metropolitan area. Mr. Fyffe became a salesman of heavy chemicals for Sergeant Chemical Company, in Newark, N. J., in 1950. From 1952 until the present he sold mercurials and metallic mercury for Metalsalts Corporation, Hawthorne, N. J.

ASTM, Engineering Group Set Meeting for January 20

The New York district of the American Society for Testing Materials and the New York chapter of the New York Society of Professional Engineers will hold a joint meeting January 20 at 6:30 p. m. in the Statler hotel, New York. Norman N. Holland, president of the New York Patent Law Association, will speak on "The New Patent Act As It Affects Engineers."

Interchemical Elects Director

Dr. Myles L. Mace, professor of business administration at Harvard Business School, has been elected to the board of directors of Interchemical Corporation, New York, to fill the place of the late Allen L. Billingsley.

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Sodium tetrasulfide is a dark red aqueous solution containing 40% by weight of Na_2S_4. It is shipped in 55-gal. steel drums, 600 lbs. net.

Sodium sulfhydrate, a light lemon-colored solid in flake form, is an exceptionally pure material containing 70 to 72% NaSH. It is supplied in lacquer-lined steel drums, 90 and 350 lbs. net.

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Anhydrous Ammonia's Use In Fertilization Seen Rising

Anhydrous ammonia as a commercial fertilizer will be used in many new areas during the 1954-55 fertilizer year, Mark C. Craft, president of the Agricultural Ammonia Institute, predicted last week. Mr. Craft, who succeeded E. W. Thomas as AAI president on January 1, pointed to Department of Agriculture estimates showing a 44 percent increase in the use of anhydrous ammonia during the year ending June 30, 1954.

"Now that more synthetic nitrogen plants are on stream and the supply of ammonia appears to be sufficient to meet all demands," Mr. Craft said, "agricultural ammonia distributors throughout the nation feel confident they can supply all agricultural needs during the coming year. "USDA sources predict we will enjoy a further increase of 9 percent in agricultural ammonia consumption during the current fertilizer year, handling 395,000 tons of the nation's agricultural nitrogen.

"Many of our institute leaders feel that figures on nitrogen consumption available to the USDA do not include all anhydrous ammonia applied by direct application. Instead of 395,000 tons, our leading institute authorities believe the agricultural ammonia industry will handle approximately 475,000 tons of nitrogen this year, or roughly 22 percent of the total anticipated use of agricultural nitrogen in all types of fertilizers."

The AAI president said ammonia distributors throughout the nation are being encouraged to install more large pressurized tanks for storing the high analysis liquid nitrogen during off-season months. This storage will help avoid shortages during periods of high seasonal demand. Mr. Craft said acreage limitations on major crops imposed by the federal government is serving as a strong inducement to farmers to practice better farm management.

"As farmers seek to improve their methods to the point where their net return on fewer acres is as high, if not higher, than when they farmed more acres, it is inevitable that they will use maximum quantities of plant foods," the AAI president said.

Fisher Offering Reagents In Commercial Quantities

Fisher Scientific Company, Pittsburgh, Pa., has announced that the high-purity, lot-analyzed reagents which it has supplied to researchers is now available to manufacturers and pilot plant engineers as well. The materials, packed in 100 and 600 pound drums, are available for immediate delivery, Fisher said.

The company pointed out that the purity in large lots is the same as in bottle quantities and that this is the purity required in the manufacturing processes behind today's television tubes, electronic units and other products for the communications world.

Hart Completes Expansion

Hart Products Corporation, New York, has completed a $100,000 expansion of its Jersey City, N. J., plant. Installation of modern all-stainless-steel pressure equipment for the manufacture of non-ionic surface active agents and other ethylene oxide condensates was recently accomplished. This new manufacturing unit is fully automatic and is equipped with all modern safety devices and controls for maintaining exact specifications during manufacture.

Trade Briefs

Technic, Inc., has opened an office at 7001 North Clark street, Chicago.

New York Board of Trade has elected Harold Mix and Charles Lopez of S. B. Penick & Co. as members of the executive committee of its International trade section for 1955.

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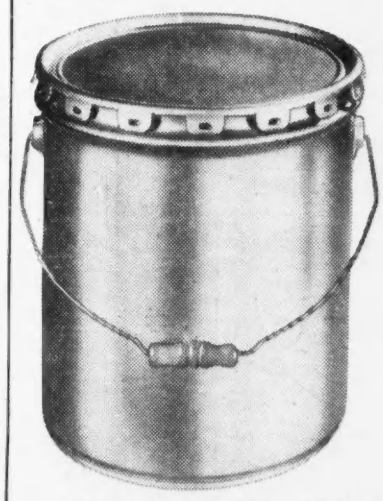

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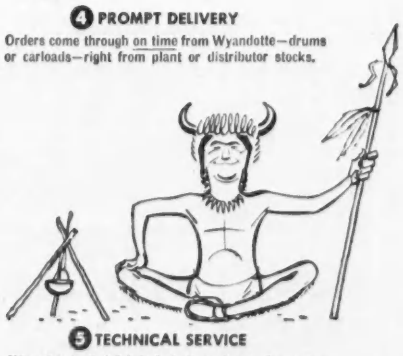

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Hooker Names Schultz Production Superintendent

Hooker Electrochemical Company, Niagara Falls, N. Y., has appointed Robert F. Schultz production superintendent at its headquarters plant. The company has also named Dr. John T. Rucker, jr., administrative assistant to the director of research and development.

Mr. Schultz joined Hooker in 1941, and, four years later, became technical foreman in the fine chemicals department. In 1949 he was made foreman and in 1952 he became assistant technical superintendent. Dr. Rucker became associated with Hooker in 1941 as a chemical engineer in the research development department. During 1953 he was assigned to research work on Hooker's P-31 Atomic Energy Commission project.

Balfour, Guthrie Appoints

Balfour, Guthrie & Co., Ltd., San Francisco, has announced the appointment of Harold Ferguson, formerly vice-president of Naco Fertilizer Company, to the position of senior assistant to Dr. R. E. Neidig, vice-president of Balfour-Guthrie's fertilizer and chemical department.

Lignin Co-Precipitate Data Issued

West Virginia Pulp & Paper Company, polychemicals division, Charleston, S. C., has issued technical bulletin No. 202, "Indulin 70-GR-S in Compounds of Lower Loadings." "Indulin 70-GR-S" is a co-precipitate of lignin and a butadiene-styrene copolymer known as GR-S-1500. This bulletin deals with the properties of the co-precipitate when additional quantities of rubber are used, reducing the loading of lignin from seventy parts to one part by unit stages. Methods of processing to secure stocks of lower loadings are outlined. Copies of technical bulletin No. 202 may be obtained by writing to West Virginia's polychemicals division, Charleston, S. C.

Pennsalt Keeping Salesmen From Gilron Products Co.

Pennsylvania Salt Manufacturing Company, Philadelphia, has announced that John Mordica and Gene C. Edwards, former members of the sales staff on Gilron Products Company, which has been consolidated with Pennsalt, will continue to service their respective accounts.

Mr. Mordica joined the Gilron organization in 1945 after nine years with the sales staff of Firth Steel Company. Mr. Edwards was formerly associated with Standard Steel Spring Company before joining Gilron as plating supervisor and later was superintendent of the plating department of Chrysler Corporation. The Gilron organization is being integrated with Pennsalt's metal processing department.

Alabama By-Products Corporation Appoints Mobley Technical Director

Alabama By-Products Corporation, Birmingham, Ala., has announced that Willard M. Mobley has been appointed to the position of technical director, heading the company's newly-created technical control and research department. Prior to his appointment as technical director, Mr. Mobley was for many years chief chemist and research director of the company.

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General Electric Co. Makes Three Plastics Appointments

General Electric Company's plastics department at Pittsfield, Mass., has made three appointments in its management. John L. McMurphy has been made manager of marketing; K. O. William Sandberg has been named manager of engineering, and Arthur T. Bourgault has become manager of the department's Taunton, Mass., custom molding plant.

Mr. Berge, who has been with General Electric since 1941, was manager of the custom molding plant at Taunton before his most recent appointment. Mr. Sandberg joined GE's chemical division in 1950 and, last year, became manager of operations research in the plastics department, the post preceding his present assingment. Mr. Sandberg, in addition to his new duties, will continue to manage the operations research section. Mr. Bourgault has been manager of the company's alkyd resin products plant in Schenectady, N. Y., since 1952.

Epoxy Resin Data Published

"Bakelite C-8 Epoxy Resins and Hardeners" is the title of a new sixteen page booklet issued by Bakelite Company, a division of Union Carbide & Carbon Corporation. This booklet describes the use of these epoxy resins for tools, dies, jigs, fixtures, adhesives, laminating, casting, potting, embedding, and encapsulating. A special section is appended on release agents for molds. Data on storage life and handling of these epoxy resin compounds, their working life, fillers and cleaning equipment are explained in the section on compounding. Copies of the booklet may be obtained from Bakelite, 300 Madison avenue, New York 17, N. Y.

Kodak Research Labs Post Goes to Yutzy

Apppointment of Dr. Henry C. Yutzy as an assistant director of Kodak Research Laboratories has been announced by Dr. Cyril J. Staud, director of the laboratories. Together with Dr. John A. Leermakers, an assistant director, Dr. Yutzy will assist with the over-all direction of the activities of the laboratories.

Dr. Staud also announced these appointments—Dr. Rudolph E. Damschroder, division head and Dr. Robert E. Stauffer, associate division head of the emulsion research division of the laboratories; Dr. Cyril A. Horton, assistant division head of the applied photography division, in charge of graphic arts in that division; Dr. Maurice H. Van Horn, assistant division head, in charge of physical chemistry in the chemistry division, and Dr. Arnold Weissberger, assistant division head in charge of color photographic chemistry in the color photography division.

Steel Shipping Barrels Output In October Above That of Sept.

October production of steel shipping barrels and drums, on an average workingday basis, was 1 percent above that of September and 7 percent below that of October, 1953, according to the Bureau of Census. During the month the industry turned out 1,868,475 heavy-type steel barrels and drums; 894,332 light-type steel barrels and drums, and 5,742,110 steel shipping packages, kegs and pails. This compares with 1,901,506 heavy-type steel shipping barrels; 826,836 light-type steel shipping barrels, and 5,987,587 steel shipping packages, kegs and pails in September.

Process Materials

- Petroleum Naphthas and Solvents
- Plasticizers and Extenders for Plastics and Rubber
- Toluene and Xylene, Shell TS-28
- Paraffin and Microcrystalline Waxes

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Petroleum Derivatives

Except for petroleum-source benzol, there were no major changes in the petroleum derivatives market last week. Although another producer announced a 4 cent drop in the price of petroleum source benzol to stay in competition with the coal source benzol, other producers with long term contracts were maintaining their schedules which are as much as 20 cents more a gallon in tankcars above the lowest quotations.

Specially-refined mineral spirits was reported to be moving very well, with a favorable sales picture anticipated for next year. A possible downward revision of prices was rumored. Demand for heptane and hexane was up to past weeks and prices held firm. Although there were no noticeable changes in the markets for toluol and xylol, some industry spokesmen thought the higher octane ratio in gasoline might make some impression on the market.

Price schedules for cleaners naphtha held firm, while buying interest was at a normal pace. The same was true for VM&P naphtha. The unseasonal warm weather in the east has made some impression on the market for lighter fractions, as it has for other heating fuels. Nevertheless, the market remained firm. Producers of microcrystalline and paraffin waxes reported an excellent sales picture. They said that many new uses for both waxes were being found.

Solvents and Diluents

Benzol—Another producer of petroleum-source benzol announced last week a decrease in price. The announcement follows a pattern started two weeks ago when a major producer reduced the price of petroleum source benzol in order to stay in competition with coaltar-source benzol producers who initiated the decrease. However, it was explained that many petroleum-source benzol producers have not followed the first decrease since their supply is under long-term contracts and is selling for as much as 20c. more a gallon than the lowest quotation. The producer who dropped the price last week by 4c. is now quoting petroleum source benzol at 38c. a gallon in tankcars. The producer who made the first move two weeks ago also reduced the price by 4c., bringing that company's quotation to 36c. a gallon in tank cars.

Cleaners Naphtha—Demand for cleaners naphtha was fairly steady. Buying interest has been relatively slow since the end of the summer dry cleaning business, except for the holiday season spurt. Price schedules held at previously established listings.

Mineral Spirits—Sales activity for mineral spirits was described as good last week, especially for the specially refined material. One major producer said that November and December were unusually good for the specially refined material. Spokesman for the producer said that more activity for the specially refined material was being anticipated this year when a favorable sales picture is being forecast. Although prices were unchanged, there was some talk in the industry that there might be some downward revision in the midwest.

Heptane—Activity in ths market was holding up very well, sources stated. Demand was steady, as solvent extraction of vegetable oils kept at an even pace. Supplies of solvent were ample for the need. Prices held firm at previously established quotations.

Hexane—Demand for this aliphatic solvent was relatively steady at a satisfactory pace. Buying interest was largely for solvent extraction of vegetable oils, as well as for adhesives. Quotations continued on the same basis as they had been formerly.

Toluol—Demand for toluol was reported to be the same as it had been. There was a slight slowdown in activity in the closing weeks of last year, but this was a normal seasonal trend. Buying interest now was as good as it was prior to year-end inventory slowup. Supplies were adequate to take care of current consumer requirements. Prices held steady at former levels.

Xylol—There has been no significant change in the market for aromatics. Producers continued to move a good volume of xylol. Demand was said to be good, but the pressure for material was not as heavy as it had been. One producer said that the higher octane ratio in gasoline might make some impression on the market. Prices were firm at previous quotations.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 18 1954
104.75	104.75	104.75	105.31

(*For Current Prices see page 9*)

Lighter Fractions

LPG's—Demand for liquefied gases was somewhat below normal seasonal requirements, especially in the east in the last two weeks, industry sources said. The unusual weather being experienced on the east coast was causing the slight slack in sales, it was said in the industry. Butane sales have picked up for its use in gasoline to improve cold weather starting. Prices of propane and butane were firm and unchanged.

Waxes

Microcrystalline — Producers reported that sales have been very good. The product is being put to wider use, sources said. Government buying was also contributing to a favorable picture. One producer said that they had more orders than they could fill and were buying outside to meet the demand. Nevertheless, there were no current revisions in quotations, and sources did not anticipate any in the near future.

Paraffin—Buying interest so far this January for paraffin was excellent, industry spokesmen said. Demand for crude scale and refined grades continued to be good from domestic users and were expected to hold on an even keel over the rest of the year. Prices at the present were considered quite firm, with no reason for adjustments in either direction for the immediate future.

Miscellaneous

Crude Oil—World oil production for 1954 rose by 26,000,000 tons to a record of 681,000,000 million metric tons, it was reported. In the free world production rose by 19,000,000 tons to over 608,000,000 tons. United States production dropped by 6,400,000 tons to 324,460,000 tons. Venezuela production increased by 5,000,000 tons and Canadian and Mexican production rose 2,000,000 tons each. Egyptian production dropped 400,000 tons to 1,950,000 tons. Production rose by about 7,000,000 tons in the Iron Curtain countries.

The nation's daily average crude oil and condensate production rose 220,775 barrels to 6,556,775 barrels during the week ended Jan. 8, it was reported.

Los Angeles Petroleum Market

The solvent and diluent market was routine over the week with demand holding at a good level. No supply shortage was reported with prices firm. Cleaning solvents, including Stoddard, quoted 19.4c. per gallon, 400 gallons or over, ex-tax, f.o.b. Los Angeles Basin area. Lacquer diluents listed 20.4c. per gallon, same basis.

Demand for LPG's held steady with butane continuing in limited supply. Stocks of propane were readily available with postings unchanged at .059 per gallon, tankcars, f.o.b. Los Angeles. Butane firm at .060 per gallon, tankcars, f.o.b. Los Angeles.

The market for high melting point paraffin waxes remained steady with supply and demand reportedly on an equal basis. Prices were firm with no changes anticipated in the near future. 127/131 ASTM, slabs loose, fully refined, f.o.b. refinery, San Francisco Bay area, quoted .0845 per pound. 140/147 ASTM, same basis, quoted .0775 per pound. 157/162 ASTM, same basis, quoted .073 per pound. All 10,000 pound minimum. Add .007 per pound for cartons. Tankcars posted .0755, .0685 and .084 per pound respectively.

Crude Oil Stocks

Stock of domestic and foreign crude petroleum at the close of the week ended January 1, 1955, totaled 261,486,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 265,391,000 barrels for the preceding week, this represents a decrease of 3,905,000 barrels comprising a decrease of 4,335,000 barrels in stock of domestic crude and an increase of 430,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

Shell Oil Co. Appoints Howard Ass't Controller

Allen Howard, formerly auditing department manager for Shell Oil Company, has been appointed assistant controller. David I Meriney, formerly assistant auditing department manager, has been named to succeed Mr. Howard and Mr. Meriney has been succeeded by James E. Peck, formerly treasury manager for the firm's Midland, Tex., production area office.

Mr. Howard succeeds A. A. Buzzi, who was recently named controller. He joined Shell here seventeen years ago as auditor for the division office. Serving subsequently as auditor in Boston and Jackson Heights, N. Y., he rose to assistant auditing department manager in 1946 and became manager in 1948.

Mr. Meriney joined Shell in 1929 as an accounting department clerk at Los Angeles. He became assistant treasury manager for Los Angeles in 1944, and in 1949 was transferred to the head office in New York as assistant manager of the auditing department. Mr. Peck joined the company as a production clerk at Lucien, Okla., in 1935, and rose subsequently to accountant with the treasury department at Tulsa, Okla. In 1947 he became chief accountant for the Mildand area, and was named treasury manager in 1952.

Tanker Requirements Unit Now Headed by Amoco Man

Appointment of James P. Patterson, retired vice-president in charge of marine operations of the American Oil Company, New York, as chairman of the tanker requirements committee of the Maritime Administration, was announced last week.

The tanker requirements committee is composed of representatives of the Maritime Administration and private oil companies for the purpose of assuring adequate tanker tonnage for defense purposes. Participating companies make available to the navy such tankers as are required for any given period to transport petroleum products to military installations overseas.

Monsanto Chemical Has New Gear Lube Additive

A new gear lubricant addition agent which is said to enable manufacturers to produce superior multi-purpose gear lubricants to meet anticipated needs is available in commercial quantities from Monsanto Chemical Company, St. Louis, Mo.

In making the announcement, John W. Newcombe, petroleum chemical sales manager for the company's organic chemicals division, said that the new material, trademarked "Santopoid 44," is the result of nearly two years' research and development in cooperation with automobile and lubricant manufacturers.

Laboratory tests and current field trials show, Mr. Newcombe said, that the new additive make possible lubricants which will protect passenger car and truck gears against increasingly severe stresses imposed by greater speeds and power. The average power output of passenger cars manufactured by Ford, General Motors and Chrysler, for instance, has risen from 111 horsepower in 1941 to about 170 horsepower today.

Trade Briefs

Standard Oil Company (Indiana), Chicago, has added M. J. Casey to the general manager's staff.

Esso Standard Oil Company has opened a new Girbotol liquid hydrocarbon purification plant at Everett, Mass.

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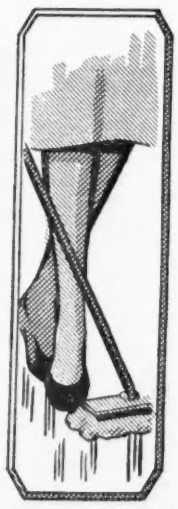

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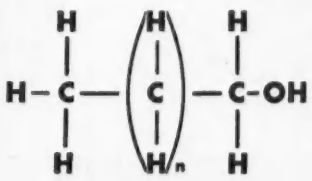

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Industrial Organic Chemicals

The price pattern for industrial organics was uninterrupted last week. Most materials were being put under contract at price bases similar to those carried through the end of the last quarter. In general, demand carried through the end of the year well. There was no undue slackening of buying interest for inventory reduction. Many producers reported that December calls turned out stronger. than they had expected. January buying held up well.

Activity in the paint industry and industrial finishes has provided a good call for solvents, lacquer materials, raw materials for synthetic resins and plasticizers. Products going well to such outlets today included acetone, butyl alcohol and ethyl alcohol. Butyl, ethyl and isopropyl acetate also moved fairly well in this direction.

Price schedules of butanol, ethanol and the esters were relatively firm. Market quotations for acetone have held steady at recently established levels, but have not completely recovered their strength. Alcohol moved in many different directions at a good pace.

Among polyols, diethylene glycol demand was steady, ethylene glycol finally felt some reduction in activity from antifreeze, and glycerine still was moving at a good pace to all consuming outlets.

Epichlorohydrin enjoyed a steady demand from epoxy resins. Ethanolamines continued to move in good volume. Formaldehyde sales were well sustained. Demand for gluconic acid and some of its salts was very good and growing. Industrial call for methanol was reported to be quite good. Oxalic acid requirements held up very well.

Acetone—Individual producers in the market continued to hold differing views as to the relative strength of acetone. The producers who were moving what they were making were inclined to be more optimistic. Those suppliers that had unsold inventories looked at the market as a weak one. It was readily acknowledged that total production capacity was above current consumption levels.

New plants that have come into the market with byproduct acetone from cumene phenol producing processes have added a large volume to the total available supply. The 7½c. price established last quarter still was quoted at the market level. Large government contracts continued to be shaded under that level, but, commercial tankcar business was felt to be still moving at the same price. The volume of demand was considered quite good as general solvent call held up very well.

Alcohol—Demand for solvents, from pharmaceuticals, chemical end-uses and other various outlets for ethanol have held up well. Several sources indicated that buying interest in December turned out to be better than they had been expecting. It was also noted that the "usual" trends towards inventory cutbacks at yearend were not as prominent as in many past years.

A significant fact in the current market, indicating overall firmness, was the steady price structure. Producers successfully resisted early price weakness by mid-year in 1954 and maintained the status quo throughout the rest of the year. Some sources looked at prices in the last quarter of the year as being much firmer. There was some shading reported for large contracts, but the overall picture seemed firmer. Currently, the position was unaltered. Producers were moving what they were making without any real pressure on prices. Demand was diversified, and it was good.

Butyl Acetate—Demand for this ester solvent increased steadily over the last quarter, and moved in to the new year under a good business volume. Supplies were regarded as quite adequate, so that despite the demand, shipments were prompt. Price patterns held firmly to established schedules, and there was no prospect of price change in the immediate future.

This market reports on industrial aliphatic organic chemicals. Reports on industrial aromatic organics may be found in the Coal Chemicals market, while reports on fine and rare organic chemicals appear in the Drugs, Fine Chemicals, Botanicals market.

Price Trends

Advanced
None
Reduced
None
Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month
130.43	130.43	130.43

(*For Current Prices see page 9*)

Butyl Alcohol — This solvent was under good call from the lacquer and synthetic resin industries, and for the manufacture of large volume plasticizers. Synthetic butanol was amply available and represented the largest portion of current normal alcohol output. Prices were firm and unchanged from levels which have existed for several months.

Diethylene Glycol—This item moved in what was considered good volume demand that has been relatively steady over recent weeks. Some end-uses were off a bit, but these were for the most part offset by gains in others. Prices were unchanged.

Epichlorohydrin—A steady volume of material kept moving to the epoxy resin market. Demand in this consuming channel was developing right along at a regular pace. Trade sources expected a fairly good future from the resins as their uses expanded. Other miscellaneous uses for epichlorohydrin were unchanged. Price schedules were firm at previous levels. No alterations in posted quotations was anticipated. Supplies were adequate to take care of consumption needs.

Ethanolamines—The mono-, di-, and triethanolamines moved in good volume to consuming industries. However, while producers were satisfied with a good business volume, they were not happy about the low level to which competitive pressure had forced prices. The past year saw a significant increase in production volume, making competition quite keen. This, of course, resulted in quite narrow profit margins.

Ethylene Glycol—Buying activity in this market was at a lower level this month because the antifreeze for distributive channels had already been purchased, packaged, distributed to the trade, and much of it in use. There appeared to be plenty on hand for replenishing normal inventories for the winter. The result was that the flow toward the antifreeze market was slowing and beginning its seasonal back-up.

While the overall consumption of glycol has been good for this season, the price picture was not regarded as good, because producers' costs and selling price were separated by a narrow profit margin. This situation, of course, was due to competitive influences created from excessive production capacity.

Formaldehyde—No changes were reported in the picture for this aldehyde. A good demand kept sales volume up to levels comparable with production. Prices remained at schedules established in earlier weeks. Many sources considered prices currently very low and profit margins quite thin. Thus, there did not seem to be any likelihood of further reductions. No immediate price rises were foreseen either.

In the meanwhile, demand from synthetic resins and adhesives was expected to continue to hold up. Some trade sources indicated that they have been moving what they were making right along.

Fusel Oil—No revisions in schedules for this material have come about. There was very little fusel oil available. Producers also related the current price of crude fusel oil would be high enough to raise the 15c tankcar price for refined material if it were available. There was a quotation of 20c per pound in the market on the outside of the range, but, there was very little material available at any level.

Gluconic Acid—Activity for this acid was quite good. The market continued to show expansion of uses. Besides the use in industrial cleaners, such as a cleaning agent for bottle washing operations, gluconic acid and some of its salts have received an increasing amount of use as a sequestrant in dyeing operations.

It was said that use of sodium gluconate represented a growing industrial outlet because of its ability to provide brighter colors. The gluconic acid, acting as a sequestrant, prevents bronzing in dyeing of textiles, it was added. The buffering ac-

For Late Market Developments, See Page 4

tion of the sodium salt in alkali also proved helpful. The ammonium salt finds use in printing operations. Growth of the market through these industrial applications was watched with interest by gluconic acid producers. Ample production facilities were readily available to handle anticipated consumption requirements. Price schedules were firm and unchanged.

Glycerine—Producers related that activity for refined grades has held up very well. Buying interest was fairly good in most directions, no outlet demanding any more attention than normal. Consumers have been able to get enough material for their requirements without undue difficulty. Some suppliers indicated that they have been running along at full capacity to keep up with consumption. Trade sources looked for demand to continue to hold up as well as it has in the past few months.

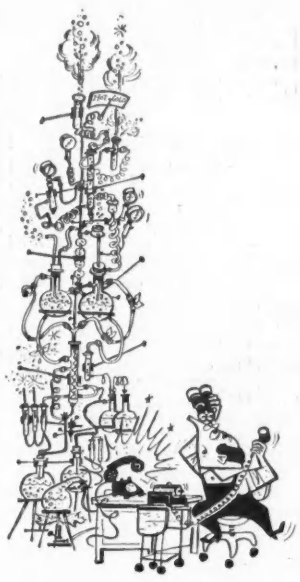
Refined glycerine prices were firm. No revisions in quotations for crude material on the domestic market have taken place. Crudes were definitely not in easy supply, it was said. But, a little more material has been available on the Argentine market in recent weeks. However, it depended upon prices domestic buyers were willing to pay there whether or not much of it will find its way here. World demand was not quite as strong as it was several months ago. So, the material was not expected to be priced right out of this market.

Isobutyl Acetate—The solvent grade of this material was firmly quoted at 11¼c. per pound in tankcars delivered East of the Rocky mountains. Carlot and less than carlot drum quantities were 2c. and 3c. per pound higher, respectively. Supplies were adequate and demand steady at what was regarded as a fair volume.

Methanol—Producers related that there has been a sustained level of interest from industrial outlets. Demand has been sufficient to move most production out quickly. Consumers have been buying fairly well in line with immediate needs for the past several months and increases in their needs were reflected in higher demand levels for methanol. Prices were firm at former postings.

Oxalic Acid—Producers related that the movement of this acid continued to hold up without any sign of slackening. Demand from pharmaceutical and industrial applications was quite good. There has been some reduction of buying interest for radiator cleaners, because it is off-season. However, a pickup in interests in other directions has balanced out the market and kept sales levels up.

It was reported that the improvement in the textile industry has provided much added demand for oxalic acid. Use in dyeing operations was improving. Suppliers were adequate to take care of the call without difficulty. Price schedules were considered firm at previous levels.



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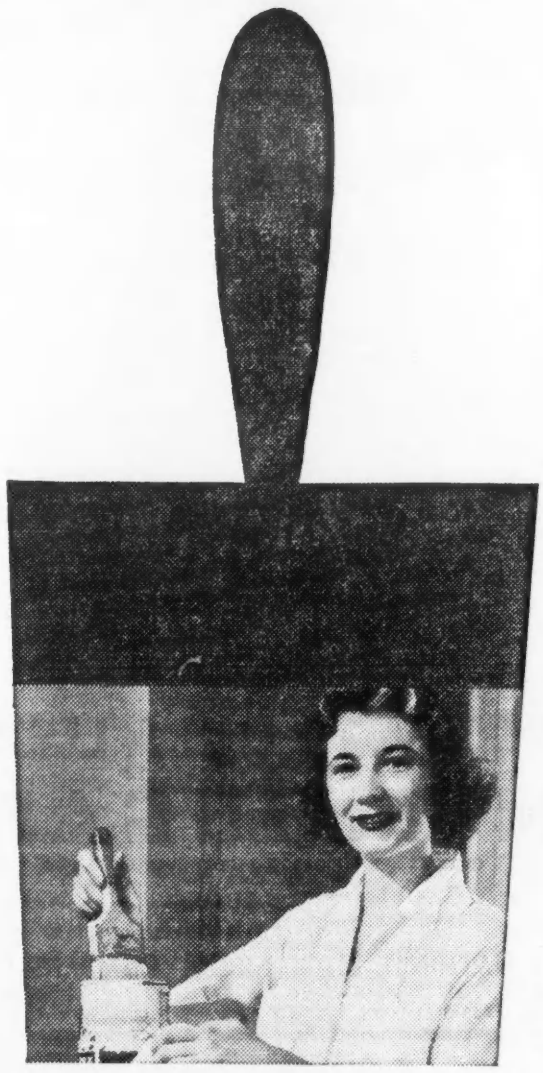

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Coal Chemicals

No price changes were reported for coaltar chemicals last week. Total consumption rates have not greatly exceeded those of past weeks. But producers of many materials noted a much better buying trend. It was said that there appeared to be more confidence in consuming channels.

Some deliveries were asked to be speeded up because inventories were down. There was also a slight amount of buying ahead. The call for tar acids was quite good. Aromatics held up well. Domestic naphthalene supplies were slightly better, as output increased. Refined pyridine was settled at its new level. Phthalic anhydride demand was boosted by the auto industry activity and other improved lines. Styrene monomer moved well.

Steel production in the week ending January 16 was scheduled to be at 81.8 percent of capacity, an index rating of 122.9, according to the American Iron and Steel Institute. This was equal to 1,975,000 tons compared with 1,772,000 one year ago.

Basic Products

Benzol—There were no changes in the market situation for this aromatic. Prices remained firm at levels established in previous weeks. Trade sources generally indicated that the recent reductions have already accomplished their intended mission; that is, to firm up the market. Some sources looked at the current period as a waiting period in which producers will wait to see what further reactions will set in, if any.

Producers have noted that demand for benzol has expanded somewhat with overall business. Activity since the first of the year has been better. Demand from the rubber industry was looking up. Interest from this area alone was felt by some to be a large factor in the strength of the benzol market in the next few months. Needs of producers of synthetic phenol for benzol were not up to full capacity because that material is not moving at its best pace. The call from styrene has been better in the past, but, volume of sales for styrene has held up very well. Detergents were doing well. Some benzol derived intermediates were doing better and some were still a bit slow. Hence, the overall picture was not too bad. And, a few members of the trade saw a tinge of optimism in the market.

Production was increasing with the pickup in operating rates. But, producers stated that improved buying was absorbing more material too.

Creosote—There has been no significant change in the volume of material moving. A few trade sources indicated that they have seen a little pickup in buying from scattered directions. However, the number of calls was still not very high. Part of the trade also looked with a little encouragement at the improvement in the financial status of the railroads. All sources did not hold that view. There were producers who did not expect too much change in the buying patterns of the "roads" this year.

Price schedules were firm at previously established levels. No revisions were immediately anticipated. Ample supplies were readily available to take care of all requirements promptly.

Cresols—Tar acid demand was well sustained. Producers have noted a particularly good call for meta-para fractions, especially for export outlets. The call for o-cresol was considered relatively good at its established levels. Stocks of the ortho isomer were said to be in a little better position than they have been in many past times when heavy surpluses were a problem. The price picture for all isomers was felt to be quite firm. No revisions were expected immediately.

Cresylic Acid—Producers continued to report a very good call for tar acids. The demand for some grades, as meta-para fractions has been especially good. Domestic needs of these fractions have not changed exceptionally. But, the export call has been unusually strong.

Most exporters found it difficult to obtain what meta-para fractions they needed for the call in South America and Europe because domestic producers were not inclined to upset their normal balance of exports and domestic business. Domestic producers were already supplying more than usual for this market, it was said, and had to use part of their production to take care of regular resins business and other such outlets here. Some room had to be left for general expansion, as business picked up, it was felt.

Imported ADF acid was unchanged from previous weeks. Sales have been at a regular pace in a fairly satisfactory volume. The price schedules were firm without any reported change.

Naphthalene—Crude 78-degree material on the domestic market continued to hold to a firm position. Prices were now settled at their new levels. Producers indicated that a little more production has become available as the result of increased operations and shorter coking times. While the industrial refined and crude grades of naphthalene have advanced there was still no indication of a change on the wholesaler and jobber level in refined naphthalene for moth control uses.

Importers related that some of the pressure that had been on hot-pressed material in the past few months has simmered down. The fact that domestic crudes have gone up and consumers know what the price is going to be for a while contributed to consumer resistance to comparable prices for imported crudes. The range of 5¾c. to 6c. per pound was still considered to be the market figures for 78-degree hot-pressed. Some offers were said to have been a shade under 6c. However, reduced consumer interest restricted sales.

Phenol—Producers indicated that they have been moving production of natural phenol of technical grades at a relatively good pace. However, the market was not exceptionally strong and there was ample material available for all consumption requirements. There was also an adequate supply of USP synthetic available.

Demand from phenolic resins and adhesives has perked up a bit. In fact, some sources point out, that production statistics indicate that output is running along equal to, or ahead of a year ago. Increased production capacity has been a factor in the market. Price schedules have remained firm at former levels.

Pyridine—All sources were quoting l.c.l. drum prices at the 75c. per pound level established in the previous week. It was too early to see any results of the change in price structure on market conditions.

Discontinued uses, recovery equipment installed by consumers, competition with substituted pyridines such as 2-methyl-5-ethyl pyridine, and low-priced imported refined pyridine, all have been factors in the weakening of prices which brought about the reduction. Besides firming the price structure, producers hoped that the lower price will encourage investigation of potential uses for refined pyridine that might result in a good market outlet.

Toluol—Producers reported that their current position was not too bad. There was a little more material available than present consumption rates called for. However, demand was fairly good and some increase has been seen with the overall pickup in business and the high activity in the automobile industry. The price appeared to be holding up at its present level, and many producers took the attitude that "toluol did not fall all during last year when government buying was at a minimum, and there was no reason to believe that there will be any drastic change."

Other suppliers have noted increased production of light oils and have come to expect increasing competition in the market. Competitive conditions were keen

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 15, 1954
114.54	114.54	114.59	114.56

(*For Current Prices see page 9*)

Production Estimate

Estimated output of coal chemicals recovered from cokeoven operations during the week ending January 16, was as follows:—

Ammonia liquid, NH_3	lbs.	922,919
Ammonium sulfate	lbs.	33,356,912
Benzol	gals.	3,190,661
Coaltar	gals.	14,634,851
Creosote oil	gals.	817,442
Naphthalene, crude	lbs.	2,254,558
Pyridine, refined	lbs.	23,732
Toluol	gals.	627,585
Xylol	gals.	167,444

For Late Market Developments, See Page 4

in some sections for partial aromatics, which does not make the road easier for toluol.

Added to the general increase in business activity, which was expected to help a bit, there was some hope in the trade that more material would be going to government defense outlets. Nitration requirements were not expected to surge upward, but a little more business in that direction was anticipated. Avgas needs have remained fairly constant, it was said. A number of trade sources have heard rumors concerning increased avgas needs of toluol coming up. But, no concrete evidence could be found. Government avgas call was expected to remain even and civilian commercial requirements were following along the lines of their normal growth in past years.

It was said that there might be a movement of alkylate into automotive gasoline to boost octane ratings in the race for higher powered motor fuels. This would remove some of the toluol from the aromatic solvents market, a source added.

Xylol—There was an ample supply of this light oil to handle current consumption needs. Buying has held up relatively well. More production was coming available through the increase in steel and coking operations. None of the producers looked for xylol to become a problem. The market was generally considered close to balance. Prices were steady at previous quotations.

Intermediates

p-Nitroaniline—No significant changes were seen in the market for this, or other dyestuff intermediates. Producers indicated demand was fairly good. The slight recovery of textiles has improved the call for many of these chemicals, and p-nitroaniline enjoyed that pickup. Prices were firm at former levels.

Phthalic Anhydride—There were no reported changes in quotations for this anhydride. Some sources were looking at the market with anticipation of price move because of higher naphthalene costs. Other trade people felt that the price was firm at its current level, but saw no reason to advance schedules. Others were just noncommittal on prices.

Demand was holding up very well. A few producers were moving all of their output as fast as they could make it. There was still ample production capacity in the industry to take care of additional needs.

Styrene—Movement of the monomer to the rubber industry was quite good. A general pickup in activity improved many lines. Activity for rubber showed good prospects. Producers related that the Federal Facilities Commision was buying more material. Needs of commercial business were about the same, it was added. There was a little more demand from polystyrene plastics too.

There has been some consumer pressure for lower schedules since benzol went down. But, producers indicated that prices were firm. It was added that styrene schedules had not gone up when benzol increased last year and wasn't expected to be reduced because benzol came back down.

Tobias Acid—A relatively good call for this acid was sustained. Suppliers said that demand was not quite as strong as it had been a month ago, but it was holding up very well. A considerable part of current activity has stemmed from export demand. Producers were adequately handling present requests, whereas the number of calls earlier were beyond production schedules. The price was firm and showed no sign of change.

Int'l Minerals Names Bell Plant Engineer at Bartow

Sanford R. Bell has been promoted to the position of plant engineer at International Minerals & Chemical Corporation's Bonnie chemical plant, near Bartow, Fla. Mr. Bell, who joined International's phosphate chemicals division last April as project engineer, replaced Robert V. Safford, who was recently moved up to assistant manager in charge of engineering at the Bonnie plant. Before joining International, Mr. Bell was a process engineer with the Blaw-Knox Company, engineering firm of Pittsburgh, Pa.

Neville Names Fitzgerald

Neville Chemical Company, Pittsburgh, Pa., has appointed Donald R. Fitzgerald its sales representative in the Chicago and Milwaukee, Wis., areas. Mr. Fitzgerald, who has been selling raw materials in Chicago since 1936, will serve Neville customers in the paint and varnish, printing ink, floor tile, adhesives and chewing gum industries. Sales to the rubber industry will continue to be handled by E. P. Lambert Company, Akron, Ohio.

Chemical Carryover Stock Decline Reported by USDA

Carryover stocks of twenty-six major chemicals in the hands of manufacturers on September 30, 1954, totaled 134,600,000 pounds, a drop of 10 percent from the 149,500,000 pounds in inventory on the same date a year ago, the Department of Agriculture announced last week. Of the reported 1954 stocks, 50,100,000 pounds, or 37 percent, was in the form of pesticidal dilutions or formulations mostly ready to use. A year ago this carryover amounted to 47,600,000 pounds or 32 percent of the total.

Barrett Division Reassigns

Barrett Division, Allied Chemical & Dye Corporation, New York, has appointed Edward M. Lemon west coast chemical sales representative, with headquarters in Los Angeles. Mr. Lemon joined Barrett's sales staff in St. Louis, Mo., in 1948, after several years experience in teaching and educational administration. Mr. Lemon's post in the St. Louis territory is being filled by Josef E. Windbiel, who has been in sales training with Barrett since February of last year.

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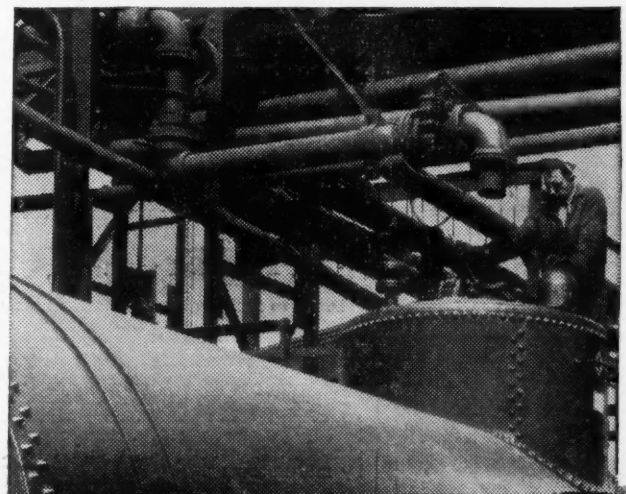

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DuPont Adds $291,000 Fund To Aid-to-Education Program

A fund of $291,000 for grants to universities and colleges to help improve the teaching of science and mathematics has been announced by E. I. duPont de Nemours & Co., Wilmington, Del., as part of its $800,000 aid-to-education program for 1955-56.

There are three separate parts to the support of teaching, which is the most recent development in the company's program. In the newest phase, $75,000 is for summer and winter fellowships for master's degree training for high school science and mathematics teachers; $125,000 is to advance the teaching of chemistry in fifty privately-supoprted institutions, mostly liberal arts colleges, and $91,000 for twenty-four post-graduate teaching assistantships in chemistry.

The support for better teaching expands an activity which, until the present academic year, was largely experimental. It was developed by the company in recognition of a growing need for such assistance and was worked out in cooperation with educators throughout the nation. This is now the largest single part of the company's aid-to-education program, which has also provided grants for fundamental research and post-graduate fellowships. The enlarged program will assist more than 100 institutions in the next academic year.

Celanese Fills New Sales Posts in Chemical Unit

Edward F. Swanezy and M. Henry Jamison have been promoted to new sales administrative positions within the chemical division of Celanese Corporation of America, New York.

Mr. Swanezy, formerly sales representative in the New York metropolitan area, is now sales manager of the Chicago district, succeeding R. J. Werner, who has been transferred to New York headquarters to assume new and expanded duties. With the establishment of a new district sales office in St. Louis, Mo., Mr. Jamison becomes sales manager for that territory. Previously, he had been assigned direction of the St. Louis area as a part of the Chicago district sales territory.

Diamond Plans New Lab

Plans to install a new radiation research laboratory in Diamond Alkali Company's research center at Painesville, Ohio, for investigating potential applications of atomic energy to a wide range of chemical processing operations, have been announced by Dr. A. W. Meyer, director of exploratory research. The facility is scheduled for completion and operation by mid-February.

Current Prices

—*Continued from page 31*

Zinc dust, pigment, bbls., c.l., works	lb.	.14¾-	—
l.c.l., works	lb.	.15¾-	—
Fluoride bbls., works	lb.	.49 -	.50
Hydrosulfite, dms., c.l., frt. alld.,	lb.	.21½-	—
l.c.l., frt. alld	lb.	.22 -	.37½
Metal, prime western slabs, E. St. Louis	lb.	.11½-	—
Naphthenate, liq., 8% Zn., dms., frt. alld	lb.	.24½-	—
10% Zn. dms. frt alld	lb.	.30 -	—
Oxide, pigment, American process, lead-free, bgs., c.l., dlvd	lb.	.13½-	—
l.c.l., dlvd	lb.	.14½-	—
leaded 35%, bgs., c.l., dlvd	lb.	.14¼-	—
l.c.l., dlvd	lb.	.15¼-	—
50%, bgs., c.l., dlvd	lb.	.14⅝-	—
l.c.l., dlvd	lb.	.15⅝-	—
French process, eml., green seal, bgs., c.l., dlvd	lb.	.15¼-	—
l.c.l., dlvd	lb.	.16¼-	—
red seal, bgs., c.l., dlvd	lb.	.14¾-	—
l.c.l., dlvd	lb.	.15¾-	—
white seal, bgs., c.l., dlvd.	lb.	.15¾-	—
USP, ctns., c.l., dlvd	lb.	.16¾-	—
l.c.l., dlvd	lb.	.17¾-	—
Zinc oxide Pac. coast prices 1c. higher.			
Phenolsulfomate, NF, gran., dms.	lb.	.39 -	—
powd., dms	lb.	.42 -	.49
Resinate, precip., 7.2-7.6% Zn, dms., frt. alld	lb.	.29 -	—
Silicofluoride, bbls., works	lb.	.12 -	.13
Stearate, tech., USP, ctns., c.l.,	lb.	.37 -	—
l.c.l.,	lb.	.38 -	.42
Sulfate cryst., 22% Zn, bgs., c.l., works, frt. alld	100 lbs.	8.05 -	—
l.c.l., same basis	100 lbs.	8.60 -	—
flake, 25½%, Zn, bgs., c.l., works,	100 lbs.	7.40 -	—
36% Zn, bgs., c.l., frt. alld.			
l.c.l., same basis	100 lbs.	8.65 -	8.80
powd., monohydrate, bgs., c.l., dlvd. E	100 lbs.	7.90 -	—
l.c.l., dlvd. E	100 lbs.	8.65 -	—
Zinc sulfate in bbls. 40c. higher.			
USP, gran, dms	lb.	.26 -	—
Sulfide, pure, bgs., c.l., dlvd	lb.	.2530-	—
Undecylenate, dms.	lb.	2.25 -	2.50
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	9.65 -	—
bbls., c.l., works	100 lbs.	10.25 -	—
l.c.l., bbls., works	100 lbs.	10.75 -	—
Zinc-formaldehyde sulfoxylate, basic, dms., c.l.	lb.	.25½-	—
l.c.l.	lb.	.26 -	.41½
normal dms. l.c.l. works	lb.	.52 -	—
Zircon (G), gran., bgs., c.l., works.	lb.	.03½-	—
5 tons to c.l., works	lb.	.03⅝-	—
1 ton to 9,999-lb lots, works.	lb.	.04 -	—
smaller lots, works	lb.	.06½-	—
Zircon (G) milled, bgs., c.l., works	lb.	.04½-	—
l.c.l., works	lb.	.04⅝-	—
5 tons to c.l., works	lb.	.04⅝-	—
1 ton to 9,999-lb. lots, works.	lb.	.04⅝-	—
500 to 1,999-lb. lots, works.	lb.	.07½-	—
Zircon (G) in barrels, 1c. higher.			
Zirconium acetate, 13% som. ZrO_2, c.l., 30,000 lbs. minimum, works	lb.	.23 -	—
Hydride, ctns., works	lb.	7.00 -	8.45
Nitrate, dms., ex whse	lb.	4.50 -	7.00
Oxide, 92½%-99%, white, grd., bbls., or bgs., works	lb.	1.50 -	—
lump, electric-fused, bgs., c.l., works	lb.	.44 -	—
5-ton lots, works	lb.	.44½-	—
1 ton to 9,999-lb. lots, lbs., works	lb.	.45 -	—
CP, white, grd., bbls., or bgs., works	lb.	1.50 -	—
lump, electric fused, bags, 500 to 1,999-lb. lots, works	lb.	.45½-	—
smaller lots, works.	lb.	.48 -	—
milled, electric-fused, bgs., c.l., works	lb.	.59 -	—
5-ton lots, works	lb.	.59½-	—
1 ton to 9,999-lb. lots, works	lb.	.60 -	—
500 to 1,999-lb. lots, works	lb.	.60½-	—
smaller lots, works.	lb.	.63 -	—
Oxychloride, cryst., ctns., 5-ton lots, works	lb.	.35½-	—

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Agricultural Chemicals

A revival of buying interest was noted for most agricultural chemicals last week. Mixers became more active in the market for organic and inorganic fertilizers, and formulators showed increased buying interest in technical grade pesticides. Preparation was general for the agricultural requirements of spring and summer. There was still some concern among producers in regard to possible anhydrous ammonia scarcity during the peak demand season, despite a nationally expanded production capacity.

Animal byproduct meals were generally featureless last week, with markets quiet and unchanged. Menhaden fishmeal continued scarce and prices were nominally increased on spot. Cyanamide sold well throughout the middle south at unchanged prices. Withdrawals against contract for nitrogen solutions continued in good volume, not noticeably impeded by the recent upward adjustment in contract prices.

Export demand continued to bolster the market both for fertilizers and pesticides. One source estimated that late in the month Korea would be in the market for some 210,000 tons of nitrogenous fertilizers. The government began awarding contracts for 16,596,000 pounds of DDT for foreign distribution under GSA auspices. Domestic inquiry for pesticides was on the upswing, and prices were generally stable.

Price Trends

Advanced

Fishmeal, $5 per ton.
Scrap, $5 per ton.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 15, 1954
110.18	109.52	109.50	111.23

(*For Current Prices see page 9*)

Animal and Plant Foods

Ammonia, Anhydrous—Fertilizer grade anhydrous ammonia continued steady and unchanged last week. Consuming interest showed marked improvement for immediate and future shipment, as mixers prepared for the influx of spring buying. Although present supplies were plentiful, there was a great deal of concern on the part of producers lest material should become short during the peak season. It was pointed out that at present purchases were being made for little more than immediate needs, whereas during the second quarter it was expected that consumption would bite sharply into production and supplies.

Ammonium Nitrate—It was the opinion of some sources that the domestic market had improved to such an extent that producers were not as eager to export material as previously. Supplies were lengthy, and trade observers maintained that they had not in recent years seen material so plentiful. Buying inquiry for direct application showed a decided upswing, however, taking pressure off the supply position.

Ammonium Sulfate—Current buying interest was brisk as mixers entered the market in force after a long seasonal absence. Large volumes of material were reported moving out at steady and unchanged prices. The export market continued to show strength as well, as the industry expected invitations to bid on 210,000 tons of nitrogenous fertilizers for shipment to Korea by the end of the month.

It was generally agreed that the recent shipments of sulfate under FOA authorization to Korea had done much to alleviate lengthy supplies, in that a sizable block of material had been moved from producers' stocks. Demand for export from other directions also held up well during the week, making for a generally optimistic tone in the market.

Blood, Dried—Market was still not too active. However, prices were about steady at $6.75 per unit-ton, f.o.b. New York or Chicago.

Bonemeal—Prices of several weeks' standing were unchanged last week, with material quoted at $68 to $70 per ton, f.o.b. New York, and $82 per ton, Los Angeles, same basis. Supplies were in close balance with demand. Buying interest continued fairly active.

Castor Pomace—Offerings in this market continued extremely scarce, with prices nominal at $135 to $137.50 per ton, f.o.b. works. Sales were reported at $137.50, but little or no material was offered to consumers due to lack of beans for crushing.

Cyanamide—Supplies continued to move out better than what had been expected for the time of year. Material continued to move largely for top dressing needs, particularly in the middle south through the Mississippi delta area. Fertilizer grade was quotably unchanged, with material containing 20.6 percent nitrogen listed contract at $55 per ton, bags, f.o.b. Niagara Falls, Ont., and pulverized, 21 percent listed at $2.75 per unit-ton, f.o.b. works.

Fishmeal—Scarce offerings were subject to spotty demand last week, but shortage of material forced spot price nominally upward to $150 per ton, bulk, f.o.b. Baltimore area. Scrap was correspondingly higher, quoted at $145 per ton, same basis.

Hoofmeal—Market remained in fair balance last week, with material listed unchanged at $7 per unit-ton, f.o.b. Chicago. Spotty demand was encountered, chiefly for immediate needs.

Nitrogen Solutions—Withdrawals against contract continued in good volume at the newly established price of $130 per ton for solution containing 37-40.8 percent nitrogen. Buying interest continued to increase as purchasers prepared for spring mixing needs. Supplies were plentiful, and little or no trouble was had by consumers in getting what they needed.

Phosphate Rock — Mine production of phosphate rock in the first half of 1954 totaled 25,842,000 long tons, according to the Bureau of Mines. Total United States marketable production of phosphate rock during the first six months of the year increased approximately 5 percent above the same period in 1953 to a new record high of 6,873,076 long tons, with all three producing areas—Florida, Tennessee, and the western states—recording increases.

Phosphate rock sold or used by producers in the first half of 1954 totaled 6,659,776 long tons, or an increase of 7 percent over the previous year. Increases in Florida were 6 percent, in Tennessee 15 percent, and in the western states 5 percent. Phosphate rock used for agricultural purposes totaled 4,189,764 long tons, and for industrial uses, 1,485,522 long tons. Stocks in producers' hands June 30 totaled 2,930,000 long tons, as compared with a figure of 2,851,000 long tons for June 30, 1953.

Potassium Muriate—Consuming demand was more active during the week as mixers came into the market in greater number to order material for the coming season. Withdrawals on contract were steady at a slightly increased pace. Prices held steady and unchanged. The foreign potash situation appeared to be in good balance, with the world market characterized by active demand and currently adequate supplies.

*Fertilizer Tag Sales: October**

	Equivalent tons		
	Oct. 1954	Sept. 1954	Oct. 1953
N. Carolina	81,000	42,000	85,000
S. Carolina	26,000	21,000	35,000
Georgia	36,000	12,000	41,000
Florida	65,000	81,000	119,000
Alabama	96,000	46,000	37,000
Tennessee	53,000	19,000	30,000
Arkansas	16,000	12,000	10,000
Louisiana	25,000	12,000	14,000
Texas	88,000	35,000	43,000
Oklahoma	22,000	19,000	15,000
Total	317,000	162,000	304,000

* Information furnished by the National Fertilizer Association.

Los Angeles Market

Los Angeles.—Activity remained generally light and spotty during the week although increased interest was noted for organic materials. Domestic fish meals were strong with quotations up to $2.40 per unit of protein. Blood meal firmed to $5.65; tankage showed considerable strength with some movements reported as high as $5 with majority of bids centering at $4.75. Comments from the local suppliers point towards increased interest and activity in castor pomace in the near future. No changes were reported on inorganic listings.

Pesticides

The GSA began awards of contracts for 16,596,000 pounds of 75 percent wettable DDT powder last week, for January 15 shipment. In the mill were awards for January 31 shipment, and it appeared to most producers that the grants would be strung out until the final shipment date on April 15. UNICEF was expected in the market shortly for a substantial amount of DDT.

For Late Market Developments, See Page 4

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Drugs, Fine Chemicals, Botanicals

There were no price changes in the drugs, fine chemicals, botanicals market last week. Traditionally in this market, price changes are generally fewer during the first months of the new year, it was noted. A survey of the market in the coming year indicates that long range prospects are good.

Foreign operations will probably continue to account for an important portion of U. S. drug industry volume and profits. Despite the resurgence of European drug manufacturers and continuance of burdensome exchange restrictions, most American drug firms will probably continue to expand their overseas business. However, the emphasis now is on manufacturing units in foreign countries, whereas, previously, the practice was to manufacture in the U. S. and export both packaged items and bulk materials.

This change can be traced directly to foreign exchange restrictions imposed by most foreign countries after World War II. Rather than permit blocked funds to remain idle, American manufacturers used these profits for construction of factories and laboratories abroad. Among the advantages derived from this type of operation are lower labor and transportation costs and the establishment of better relationship between American companies and foreign nations, it was said.

In the commodity market menthol continued quite dull. There was some anticipation as to the new crop which should be coming in a few months. With prices noted to be weakening, and demand almost non-existent, it was probable that the new crop will not be bid upon at current levels. Mercury salt prices continued to hold unchanged despite the high cost of quicksilver. According to some trade observers, consumption of inorganic mercury salts has suffered due to the high prices necessitated by increased mercury metal costs. Mercurial manufacturers have been reluctant to boost prices since consumer resistance could stiffen further, it was said.

The tartrates were reported to be in a firm position. The high costs of argols, the raw materials used in tartrate production were expected to be reflected in a continuing strong market price on tartaric acid and its derivatives.

Acetophenetidin—Demand for acetophenetidin was reported to be moving at good levels. Supplies were adequate to meet current inquiry and expected to continue in the immediate future.

The slight price increase in this compound last month has not affected consumption to any notable degree, it was said. Prices were said to be quite firm.

Chlorophyll—Demand for chlorophyll was reported to be at routine levels. Chlorophyll consumption is limited generally to a few applications such as toothpaste, chewing gum and dogfood. Whether chlorophtyll will ever regain popularity on a level with that years ago remains conjectural.

Considerable research on the medical aspects of chlorophyll was said to be currently in progress and perhaps new uses may arise from that field, it was said.

Gelatin—Total gelatin production during November, 1954, amounted to 4,550,041 pounds compared to 4,438,735 pounds in October last year and 3,915,866 pounds in November, 1953.

Classified by type, production of edible gelatin amounted to 3,068,931 pounds in November compared to 2,938,690 pounds in October and 2,444,018 pounds during November, 1953. Production of technical grade gelatin aggregated 260,710 pounds in November last year compared to 224,384 pounds in October and 238,422 pounds in November, 1953. Pharmaceutical gelatin production in November totaled 393,358 pounds compared to 424,270 pounds in October and 340,059 pounds in November, 1953. Production of photographic gelatin amounted to 827,342 pounds in November compared to 821,191 pounds in October and 893,367 pounds during November, 1953.

Total gelatin shipments in November amounted to 3,611,873 pounds compared to 3,814,737 pounds in October and 3,348,314 pounds in November, 1953. Classified by type, edible gelatin shipments aggregated 2,588,539 pounds in November last year compared to 2,547,775 pounds in October and 2,185,581 pounds in November, 1953. Shimpents of technical grade gelatin aggregated 236,195 pounds in November compared to 214,313 pounds in October and 210,955 pounds in November, 1953. Shipments of pharmaceutical gelatin amounted to 264,828 pounds compared to 356,675 pounds in October and 311,772 pounds in November, 1953, while shipments of photographic grade gelatin aggregated 522,311 pounds in November compared to 695,974 pounds in October and 639,906 pounds in November, 1953.

Stocks of gelatin at the end of November totaled 11,371,816 pounds compared to 10,433,648 pounds at the end of October, 1954, and 9,906,380 pounds at the end of November, 1953. Classified by type, stocks at the end of November included 6,413,329 pounds of edible gelatin, 1,121,464 pounds technical grade, 869,779 pounds pharmaceutical gelatin and 2,967,244 pounds photographic grade. Stocks at the end of October last year by comparison, included 5,932,937 pounds edible gelatin, 1,096,949 pounds technical gelatin, 741,549 pounds pharmaceutical grade and 2,662,213 pounds photo grade. Stocks at the end of November, 1953, included 5,053,824 pounds edible gelatine, 950,125 pounds technical grade, 800,905 pounds pharmaceutical grade and 3,101,526 pounds photographic gelatin.

Lanolin—Demand for lanolin was reported to be at fair to good levels, depending upon sources queried. Supplies were adequate to meet current inquiry and expected to continue in the immediate future. Prices were unchanged since last reported.

Menthol—The spot market continued last week. There were many and varied reasons given for thr poor consumer demand and it was conjectural whether the market would pick up, at least in the immediate future. Consumption of natural menthol was expected to fall off seasonally in the next few months and consumer requirements will likely remain slow during the Spring and Summer months.

Prices were weak and from all indications might continue to weaken if demand does not pick up, it was said.

Mercurials—Demand for mercury salts was reported to be at generally fair levels. Supplies were adequate to meet current inquiry and expected to continue in the immediate future. The continued high costs of quicksilver has not been reflected in higher mercurial prices to date. Producers have been hesitant in the past to advance mercury salt prices in order not to discourage sales, it was noted. With inorganic mercury salts being displaced in agriculture, overall consumption was reportedly lessening although organic mercury compounds were gaining.

Molasses—Improved demand was noted in the Gulf area during the week ending January 12, 1955. The blackstrap market at New Orleans was firmer than a week ago with a price of 10 cents per gallon. There is some indication of limited sales in New Orleans at one-quarter-cent under the 10c. level. East coast prices continued steady with Albany at 12c. per gallon. West coast prices were unchanged at $18 per ton. A generally moderate to good demand prevails on both coasts. The price for blackstrap at Mobile and Port Everglades was 10½c. per gallon as of close of business January 4, 1955—one-quarter-cent higher than reported in the January 5, 1955 report.

Negotiations for 1955 Cuban molasses have been underway in Havana during the past week between U.S. buyers and the Cuban Sugar Stabilization Institute. Exports of the 1955 crop Cuban blackstrap are expected to be less than the amount shipped from the previous crop.

Citrus molasses is again available in limited quantities at Haines City and Plymouth, Florida. The demand at those points is strong at a price of $15 per ton. The production of citrus molasses has increased at most Florida mills due to increased production of concentrates, it was said.

Sodium Benzoate—Demand was reported to be at fair levels last week. Heavy seasonal consumption was expected

For Late Market Developments, See Page 4

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 15, 1954
67.17	67.17	67.17	72.02

(For Current Prices see page 9)

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to resume in the Spring when food processors prepare for the Summer canning season, it was said. Supplies were adequate to meet current inquiry and expected to continue, it was said. Prices were steady and unchanged.

Tartaric Acid—Demand for this acid was reported to be at fair to good levels, depending upon source queried. Supplies were about in balance with demand and prices firm.

The high costs of argols, the raw material of tartaric acid and cream of tartar, was responsible for an across the board price increase in the latter part of 1954. It was expected that price schedules would hold unchanged at least until the Spring. Whether argols costs will continue to advance remained a matter for conjecture. But the future of tartrates prices will depend upon the trend in this item.

Botanicals

The market showed a slight stepup in activity with the turn of the year, according to trade sources. The outlook for the coming year in regards to supply was generally good. Botanicals now in warehouses should be sufficient to satisfy demand if consumption remains approximately at last year's volume. Shortages exist in individual items but dealers say they have covered most of their contract committments involving the botanicals in short supply. The total stock of all drugs is probably large enough to supply the known needs of buyers. It is the unknown requirements that most likely will be the key to future developments in consumer prices.

The supply picture in imported botanicals was, however, not too good. World wide tension has diverted or slowed collection of many botanical items. In Europe particularly, much of the marginal labor used in botanicals collection has been shunted to other work. The heavy emphasis placed upon agriculture and factory production has cut down much of the labor formerly available for botanical gathering. Among items running in short supply were arnica flowers, juniper berries, colombo root, cubeb berries and sarsaparilla root, the last three items being of non-European origin, of course.

According to reports heard in the trade, cubeb berries have been rejected with alarming frequency by the FDA. Oil content has been almost consistently below specifications and hence a good deal of material has been detained by the FDA for this reason. As a result stocks have dwindled to a low point and prices were quite firm.

With the overall demand for colombo root relatively small, the incentive for its collection is slight with the result that there has been generally difficulty in being able to get enough root to accommodate the demand. The supply situation on this botanical is, therefore, perenially not one of over abundance. Sarsaparilla root has been coming in quite slowly and the supply situation in this item was expected to remain difficult in the immediate future.

Barberry Root Bark—Demand for this item was reported to be routine. Supplies were adequate for current inquiry and expected to continue ample in the immediate future. Prices ranged from 28c. to 30c. per pound.

Cocillana Bark—The bulk of consumer needs was said to have been covered by contract. The amount of demand remaining in the spot market was conjectural. The supply situation has improved to a generally satisfactory level, it was said. Prices were steady, ranging from 40c. to 50c. per pound.

Gums—The market was noted to have firmed substantially since the turn of the year. In the case of gum arabic, spot prices have advanced 4c. on sorts and about 5c. on the USP powder. Despite the fact that consumer interest has been relatively slow, higher shipment prices from orin have necessitated a boost in spot prices in this market. A move which was not exactly expected to increase consumption, it was said.

Shippers of gum karaya were said to have had a considerable amount of material detained by the FDA in recent months with the result that reconditioning costs had to be added to shipment prices. The result has been a rather substantial advance in spot quotations. Number 1 grade was currently quoted at 48c

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to 50c. per pound, a 10c. advance over levels last reported while No. 2 grade was 7c. higher, at 36c.-38c. and No. 3 grade around 30c., an increase of 5c. per pound.

A short crop in gum tragacanth was responsible for a recent advance in spot quotations. The No. 1 grade was up 10c. and was selling at $2.95 to $3 per pound while No. 2 quality was quoted at $2.55-$2.60, and No. 3 at $1.75-$1.80. Spot prices on gums arabic and karaya may ease later this year if demand does not pick up, it was noted.

Linden Flowers — Demand for this botanical was reported to be at routine levels. Supplies were ample for consumer needs and prices unchanged. Linden flowers, with leaves, were quoted at 34c. to 35c. per pound while flowers without leaves ranged from 40c. to 41c., on spot.

Papain—While the market on high strength papain was noted to be steadily rising at origin, the overall spot market has not been affected to any notable extent. This phenomenon was attributed to the fact that enough poor grade papain was on hand and in transit to keep market prices lower than conditions warrant.

A substantially large number of plantations in Ceylon were reported to have shut down on papain production due to the low prices paid on the world market over the past year. As a result, the usual reaction has set in, with the market price rising as bidding for depleted supplies becomes more competitive. It could be a most certainly predicted that the market at origin would continue to rise since production for this year is completed and present stocks will have to carry over. The current market on Ceylon papain was $3 to $3.50 per pound, while African papain ranged from $4 to $4.50 per pound.

Research Corp. Award Going to Stanford Teacher

Prof. Willis E. Lamb, jr., professor of physics at Stanford University, will be the recipient of the Nineteenth Research Corporation award for contribution to science. The award, which is being given to Prof. Lamb in recognition of his achievements in the field of atomic structure and quantum electrodynamics, will be presented at the annual award dinner of Research Corporation on January 18.

Prof. Lamb taught for thirteen years at Columbia University, rising from the rank of instructor to that of professor, and was a visiting professor at Harvard University. He has been at Stanford University since 1951. For his previous work in atomic physics and quantum electrodynamics he received the Rumford Premium in 1953 from the American Academy of Arts and Sciences, and in 1954 an honorary degree of doctor of science from the University of Pennsylvania. The Research Corporation award consists of an honorarium of $2,500, a plaque and a citation describing the achievement.

Dairy Supports to Continue Unchanged During 1955-56

The current dollars and cents support prices for manufacturing milk and butterfat and current buying prices for butter, cheese and nonfat dry milk will be continued through the 1955-56 dairy marketing year which begins April 1, it was announced by the Department of Agriculture last week.

The support prices are being continued at $3.15 per hundredweight for manufacturing milk and 56.2 cents per pound for butterfat. Purchases of nonfat dry milk solids will continue at 16 cents per pound for spray process and 14¼ cents per pound for roller process.

HEW Official Leaves Post

The Department of Health, Education and Welfare announced last week that Harry G. Haskell, jr., secretary of the departmental council, has resigned and will be succeeded by Terence P. Scantlebury. In serving as secretary of the council, Mr. Haskell was responsible for the development and operation of the department's secretariat and was also responsible for the department's international relations. He joined the department staff as the council's first secretary in 1953.

Alcohol Sulfates Booklet Offered

A new and complete product information booklet on "Sipex," fatty alcohol sulfates for industrial uses, is offered by American Alcolac Corporation, Baltimore, Md. The new booklet covers the physical properties of "Sipex" and the various uses of the product. The booklet is available upon request from American Alcolac at 3440 Fairfield road, Baltimore 26.

Schering Corp. Reorganizes Domestic Sales Department

Reorganization of Schering Corporation's domestic sales department, including appointment of three regional and fifteen division managers, has been announced by the domestic sales manager Herman W. Leitzow. The reorganization groups Schering's 200-man sales force into an Eastern region, under Herbert A. Lohrman; a central region, under George E. Hlavin, and a western region under James P. Dodd.

Following are the new managers and the divisions they will handle:—Eastern—J. Roger Cox, Woodbury, N. J., Philadelphia; Paul J. Micali, Boston; Charles C. Rosen, New York; Melvyn Clere, Pittsburgh, Pa.; Emanuel E. De Gomar, jr., Miami, Fla., and Richard L. Rychel, Newark, N. J. Also, central region—Carl H. Suding, Chicago; Robert H. Bowles, Detroit, Mich.; Joseph W. Deremiah, St. Louis, Mo.; Chester A. Jarecki, Minneapolis, Minn., and Joseph A. Ingolia, New Orleans, La.; and, western region—Franklin K. Johnson, San Francisco; Charles H. Fretz, Los Angeles; J. Robert Richey, Seattle, Wash., and Ralph J. Hagood, Dallas, Tex.

Medicinal, Chemical Funds Granted Greece, Indo-China

A procurement authorization has been issued to Greece by the Foreign Operations Administration for the purchase of $150,000 of medicinal and pharmaceutical preparations in the United States and Canada. The authorization is No. 40-370-00-74-5209.

FOA also issued an authorization to Indo-China for purchase of $1,500,000 of chemicals and chemical preparations, exclusive of fertilizers, alcohol, synthetic rubber and toilet preparations. The authorization is No. 95-390-00-70-5265.

Phila. Drug Exchange Sets 2 Dates

The Philadelphia Drug Exchange will hold its ninety-fourth annual meeting and luncheon at the Down Town Club, Sixth and Chestnut streets, Philadelphia at 1 p.m. January 25. The group's annual banquet will be held the evening of February 3 at the Down Town Club.

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(INDIAN)
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(CAROB FLOUR)
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Robinson-Patman Act Strengthening Sought

—Continued from page 3

known geological structure of a producing oil or gas field.

Small business—S. 150 by Sen. Edward J. Thye of Minnesota, to give the Small Business Administration permanent status. The life of the agency now expires July 1.

Trademarks—S. 215 by Sen. Alexander Wiley of Wisconsin, to amend the trademark act to carry out the provisions of international conventions.

Among the key measures offered in the house were:—

Narcotics—H.R. 130 by Rep. William E. McVey of Illinois, to increase the penalties for violations of certain narcotic laws.

Fuels—H.R. 152 by Rep. Abraham J. Multer of New York, to provide for fuel allocations and priorities during emergencies.

Safety—H.R. 176 by Rep. Katharine St. George of New York, to provide for the establishment in the Department of Labor of a federal safety division.

Animal disease—H.R. 223 by Rep. Victor Wickersham of Oklahoma, to appropriate $2,400,000 for the study of the causes of the vesicular exanthema and assistance in its eradication.

Standards—H.R. 252 by Rep. John W. Byrnes of Wisconsin, to provide for standards to be prescribed by the Secretary of Agriculture governing imported agricultural food products.

Tariff—H.R. 275 by Rep. Clair Engle of California, to impose a duty upon the importation of montan wax produced in certain communist-controlled countries or produced from raw materials originating in such countries.

Government business—H.R. 279 by Rep. Clair Hoffman of Michigan, to provide for the termination of government operations which are in competition with private enterprise.

Toiletries tax—H.R. 324 by Rep. G. L. McDonough of California to repeal the retailers' excise tax on toilet preparations.

Health—H.R. 397 by Rep. Charles Wolverton of New Jersey, to provide mortgage loan insurance for hospitals and medical facilities; H.R. 398 to provide mortgage-loan insurance for hospitals and medical facilities used in connection with voluntary prepayment health plans; H.R. 399 to assist voluntary non-profit associations offering prepaid health service programs; H.R. 400 to improve the public health by encouraging more extensive use of the voluntary prepayment method in the provision of personal health services; H.R. 401 to facilitate the broader distribution of health services; H.R. 402 to permit tax deduction of certain payments for health insurance, and H.R. 402 to promote and assist in the extension and improvement of public health services.

Fertilizer—H.R. 410 by Rep. Usher L. Burdick of North Dakota, to regulate the registration, manufacture, labeling and inspection of fertilizer and fertilizer materials shipped in interstate commerce.

Pollution—H.R. 414 by George A. Dondero of Michigan, to extent the duration of the water pollution control act.

Priorities—H.R. 447 by Rep. Thomas J. Lane of Massachusetts, to provide for certain priorities in the awarding of military procurement contracts within regions suffering economic distress through unemployment.

Small business—H.R. 621 by Rep. William S. Hill of Colorado, to make the Small Business Administration a permanent agency of the government.

Trademarks—H.R. 540 by Rep. Eugene J. Keogh of New York, to prohibit the registration of trademarks containing the words "White House."

Plastics—H.R. 552 by Rep. Thomas J. Lane of Massachusetts, to prohibit the introduction or movement in interstate commerce of toys and other manufactured articles which contain nitrocellulose or are otherwise found to be dangerously flammable.

Price discrimination—H.R. 567 by Rep. Wright Patman of Texas, relating to certain discriminatory pricing practices affecting commerce.

Antitrust—H.R. 634 by Rep. Emanuel Celler of New York, to amend the act entitled "an act to protect trade and commerce against unlawful restraints and monopolies"; H.R. 655 by Rep. Winfield K. Denton of Indiana, to amend the Clayton act with respect to the recovery of triple damages under the antitrust laws.

Government competition—H.R. 687 by Rep. Frank C. Osmers of New Jersey, to establish a federal policy concerning the termination, limitation, or establishment of business-type operations of the government.

Trade—H.R. 728 by Rep. Frank E. Smith of Mississippi to suspend the Buy American Act under certain circumstances.

Alcohol—H.R. 729 by Rep. Frank E. Smith of Mississippi, to provide that a manufacturer or producer of non-beverage products containing distilled spirits shall not be required to pay the tax imposed on such spirits if he is appropriately licensed and bonded.

Federal Trade Commission—H.R. 765 by Rep. Carl Hinshaw of California, to amend section 5 of the Federal Trade Commission act with respect to certain unfair methods of competition in connection with the sale of manufactured products.

Copyrights—H.R. 781 by Rep. Kenneth B. Keating of New York, to amend the copyright law to provide for a statute of limitations with respect to civil actions.

Pollution—H.R. 835 by Rep. John H. Ray of New York, to provide for intensified research into the causes, hazards and effects of air pollution, and the methods for its prevention and control.

Alumina—H.R. 853 by Rep. James E. Van Zandt of Pennsylvania, to provide for research into and development of practical means for the production of alumina, abrasives, refractories and cements from domestic clays.

Polution—H.R. 1833 by Rep. Edmund P. Radwan of New York, to confer authority upon the Surgeon General to assist in the elimination, control and abatement of pollution in certain international waters.

Price discrimination—H.R. 1840 by Rep. Byron G. Rogers of Colorado, to strengthen the Robinson-Patman act and amend the antitrust law prohibiting price discrimination.

Renegotiation—H.R. 2004 by Rep. Joseph L. Carrigg of Pennsylvania, to extend the renegotiation act of 1951 for one year.

Tariff—H.R. 2021 by Abraham J. Multer of New York, to amend the tariff act of 1930 with respect to the finality of determinations relating to the assessment of duties or charges of certain imported merchandise.

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Armour Sales Manager

L. M. Miller has been named eastern regional sales manager for the chemical division of Armour & Co., with headquarters at North Bergen, N. J. Mr. Miller, formerly manager of the division's market development department in Chicago, succeeds the late Kenneth E. Johnson. He will be succeeded as market development manager by E. L. Rhoads, jr., assistant manager of the derivatives department.

Hudnut Sales Co. Picks Executive Vice-President

Donald L. Bryant has been named executive vice-president of Hudnut Sales Company, New York. In his new post, Mr. Bryant will be responsible for sales, advertising, merchandising, research and development activities of the company's Richard Hudnut division.

Mr. Bryant joined Richard Hudnut in 1945 as advertising manager, was appointed vice-president and advertising director in 1947 and administrative vice-president in 1952. For ten years before joining Hudnut, Mr. Bryant was with Publication Corporation, rising to president of its subsidiary, Newspaper Groups.

AEC Sets Rate Schedule For Furnishing Materials

The Atomic Energy Commission has established schedules of basic charges for available materials and services needed by private atomic energy developers and users in the United States, and of fair prices that the commission will pay for certain products from privately operated American atomic reactors.

The schedules contain classified information and hence will be made available only to properly cleared persons. The schedule of basic charges sets the rates which domestic licensees under the act must pay the commission for natural uranium, thorium, heavy water, uranium-235, uranium-233, or plutonium as used in nuclear reactor and other enterprises for peacetime applications of atomic energy. The last three items, uranium-235 and -233 and plutonium, may only be leased to licensees. The other materials may be either sold or leased.

The commission also established the principle that licensees will be charged the full cost of services performed for them by the AEC such as chemical processing of spent fuel elements from private reactors. The schedules provide for periodic adjustment of charges if there are substantial changes in the Bureau of Labor statistics' wholesale prices index, excluding farm products and processed foods.

Pfizer Planning to Erect New Facility in Philippines

A new plant for the production of terramycin, "Tetracyn" and other pharmaceuticals is scheduled to begin operations in the Philippines early this spring, Chas. Pfizer & Co., Brooklyn, N. Y. Pfizer has contracted for the reconstruction and alteration of a two-story manufacturing plant in Maketi, on the outskirts of Manila. Equipment is being shipped from the United States and work has started.

Halsey Drug Company to Move

Leonard Weiss, general manager of Halsey Drug Company, Brooklyn, N. Y., has announced that the company will move on or about February 1 to a new one-story building, erected to Halsey's specifications, at 1827 Pacific street, Brooklyn.

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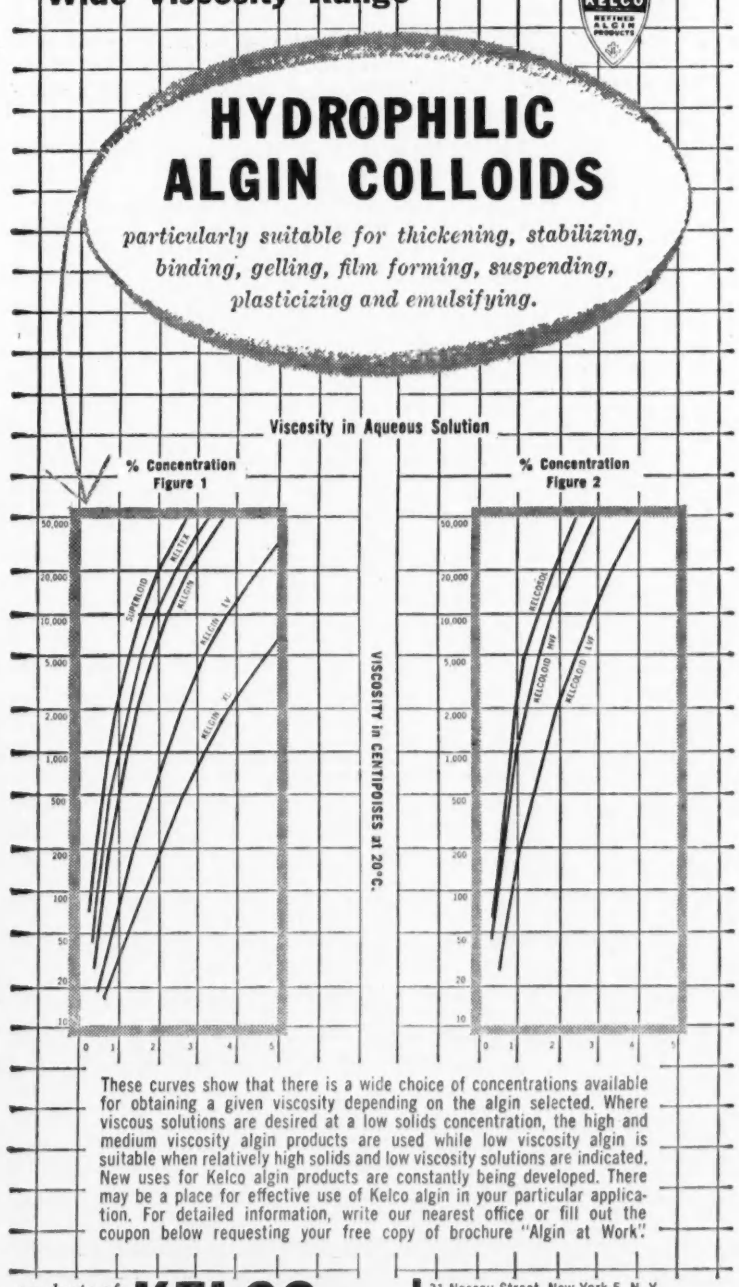

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ACENAPHTHENE—6 cks, Terra Chemicals Inc, Rotterdam
ACHROMYCIN—37 cs, Ledarle Lab, Yokohama
AGAR—20 bls, Daiici Bussan Kaisha, Kobe
30 dms, Bank of N Y, Barcelona
100 bls, S B Penick & Co, Kobe
ALUMINUM SULFATE—441 bgs, Bremen
AMMONIUM BICARBONATE—245 dms, Chemical Manufacturing Co, London
ANILINE DYES—67 dms, Hensel Bruckmann & Lorbacher, Hamburg
5 dms, C A Haynes, Hamburg
16 dms, Carbic Color & Chemical Co, Rotterdam
13 dms, C A Haynes, Rotterdam
26 dms, Geigy Chemical Corp, Bremen
ANNATTO SEED—84 bgs, Marcel Calvet, Guayaquil
63 bgs, Callao
ANTIMONY—83 cks, Intercontinentale Metal Corp, Rotterdam
ARECA NUTS—160 bgs, W F Mahneke, Colombo
ARGOLS—814 bgs, Tartaric Raw Materials, Naples
ASBESTOS FIBER—190 bgs, Mombasa
300 bgs, N American Asbestos Corp, Lourenco Marques
ASCORBIC ACID—4 dms, Chemical Bank, Yokohama
BARBASCO ROOT—147 bgs, Astoria Pan Americana, Callao
BEESWAX—25 bgs, Porcella Vicini & Co, Ciudad Trujillo
16 bgs, Lenape Trdg Co, Havana
BISMUTH—64 bxs, Cerro de Pasco Corp, Callao
BONEMEAL—675 bgs, American Agricultural Chemical Co, Bombay
CADMIUM—10 bxs, Cerro de Pasco Corp, Callao
CALCIUM CARBONATE—180 bgs, Davies Turner & Co, London
LACTATE—25 kgs, Gallard Schlesinger, Rotterdam
CAMPHOR OIL—25 dms, Orbis Products Corp, Kobe
CAPROLACTAM MONOMER—250 dms, A W Fenton & Co, Hamburg
CARAWAY SEED—200 bgs, R J Spitz, Rotterdam
300 bgs, C M Van Sillevoldt, Rotterdam
150 bgs, Levy & Levis Co, Rotterdam
CARDAMOM—6 cs, Max Van Pels, Mangalore
5 cs, Van Loan & Co, Mangalore
40 cs, Wm E Martin, Cocin
CARNAUBA WAX—347 bgs, Frank B Ross, Natal
197 bgs, Marklin Chemical Corp, Hamburg
904 bgs, M Hasselt, Hamburg
175 bgs, Hamburg
737 bgs, Gillespie & Co, Cabedelo
222 bgs, Cornelius Products Co, Cabedelo
34 bgs, J H Schroder, Fortaleza
112 bgs, Strahl & Pitsch, Fortaleza
125 bgs, Nederlandsche Handel, Parnahiba
188 bgs, National City Bank, Parnahiba
375 bgs, Bank of London & S A, Parnahiba
228 bgs, Reiman Corp, Cabedelo
112 bgs, M Argueso & Co, Fortaleza
66 bgs, Bank of London & S A, Fortaleza
61 bgs, Dura Commodities Corp, Fortaleza
63 bgs, Tradesman Bank, Parnahiba
313 bgs, Frank B Ross, Parnahiba
438 bgs, W R Grace & Co, Parnahiba
CASEIN—500 bgs, National City Bank, Buenos Aires
CASHEW NUT SHELL LIQUID—250 dms, Jacques Missir, Mangalore
CASTOR BEANS—19,154 bgs, Baker Castor Oil Co, Bahia
3,386 bgs, Spencer Kellogg, Natal
680 bgs, Grace National Bank, Manta
669 bgs, Spencer Kellogg, Manta
41,641 bgs, Baker Castor Oil Co, Salvador
5,000 bgs, D Levin, Salvador
684 bgs, Hanover Bank, Salvador
OIL—270 tons, Baker Castor Oil Co, Bombay
300 tons, Archer Daniels Midland Co, Fortaleza
200 tons, Brazilian Industrial Oils, Fortaleza
300 tons, Hardesty Chemical Co, Santos
300 tons, Woodward & Dickerson, Salvador
CELERY SEED—88 bgs, Fuerst Bros, Bombay
177 bgs, Levy & Levis Co, Bombay
14 bgs, K H Wherton, Marseille
CINCHONIDINE SULFATE—13 cs, Freedman & Slater, Hamburg
2 cs, Lo Curto & Funk, Hamburg
CINNAMON BUDS—20 cs, Karl H Landes & E Balint, Mangalore
QUILLS—100 bls, Louis Furth, Colombo
50 bls, Lo Curto & Funk, Colombo
50 bls, Colombo
CITRONELLA OIL—25 dms, Garrigues, Stewart & Davies, Chilung
35 dms, Lo Curto & Funk, Keelung
35 dms, Garrigues, Stewart & Davies, Keelung
CLAY—208 bbls, American Lead Pencil Co, Rotterdam
CLOVE—400 bls, George Luecders & Co, Zanzibar
100 bls, Lo Curto & Funk, Zanzibar
100 bls, Ungerer & Co, Zanzibar
100 bls, Becker Mayer Seed Co, Zanzibar
100 bls, National City Bank, Zanzibar
160 bls, Zanzibar
OIL—54 dms, Lo Curto & Funk, Tamatave
37 dms, Fuerst Bros, Tamatave
88 dms, Christopher Trading Corp, Tamatave
COALTAR DYES—15 cks, Hensel Bruckmann & Lorbacher, Rotterdam
9 dms, Hensel Bruckmann & Lorbacher, Rotterdam
COCONUT OIL—800 tons, LuDo & LuYm Corp, Cebu
926 tons, Manila
61 tons, Stepan Chemical Co, Rotterdam
CODLIVER OIL—130 dms, T B Smith, Reykjavik
100 dms, Arista Oil Products Co, Reykjavik
100 dms, Peder Devold Oil Co, Reykjavik
10 dms, Oxford Chemical Corp, Reykjavik
45 dms, Arista Oil Products Co, Alesund
100 dms, Peder Devold Oil Co, Alesund
COPAL GUM—32 bgs, S Winterbourne & Co, London
288 bgs, Internatio Rotterdam, Manila
59 bkts, Chase National Bank, Macassar
59 bkts, Macassar
78 bgs, O G Innes Corp, Manila
CORIANDER SEED—55 bgs, K I Litster & Co, Casablanca
COTTON LINTERS—876 bls, Lush Cotton Products, Corinto
650 bls, First National Boston, Cutuco
CRESYLIC ACID—282 dms, Midland Tar Distillers, London
160 dms, H A Gogarty, Liverpool
CUTTLEFISH BONE—30 cs, American Cuttlefish Bone & Crucible Co, Colombo
DAMMAR GUM—350 bgs, O G Innes Corp, Singapore
64 bgs, Wm H Scheel, Singapore
640 bgs, S Winterbourne & Co, Singapore
DEXTRIN—270 bgs, Bank of Manhattan Co, Rotterdam
650 bgs, Guaranty Trust Co, Rotterdam
DIGITALIS SEMEN—22 bgs, S B Penick & Co, Rotterdam
DILL SEED—168 bgs, Fuerst Bros, Bombay
EARTH COLOR—450 bgs, T H Deutz Co, Rotterdam
EPSOM SALT—500 bgs, Bank of Manhattan Co, Hamburg
ESPARTO WAX—64 bgs, Glasgow
EUCALYPTUS OIL—10 dms, Lo Curto & Funk, Kobe
FISHLIVER OIL—2 dms, Albumina Supply Co, Yokohama
13 dms, Taub Hummel & Schnall, Yokohama
5 dms, Yokohama
FISHMEAL—1,196 bgs, Wessel Duval & Co, Mollendo
FUEL OIL—321,493 bbls, Shell Oil Co, Curacao
100,507 bbls, Central Petroleum Corp, Punta Cardon
17,010 tons, Central Petroleum Corp, Punta Cardon
91,681 bbls, Asiatic Petroleum Corp, Curacao
375,940 bbls, Paragon Oil Co, Punta Cardon
1,362,587 bbls, Esso Standard Oil Co, Aruba
100,000 bbls, American Oil Co, Aruba
103,000 bbls, Esso Export Corp, Aruba
15,309 tons, Esso Standard Oil Co, Las Piedras
GALLIC ACID—20 dms, American Dyewood Co, Glasgow
GALLNUTS—223 cs, Meer Corp, Lattakia
105 bgs, Manufacturers Trust Co, Lattakia
GHATTI GUM—57 bgs, S B Penick & Co, Bombay
171 bgs, Morningstar Nicol, Bombay
GINGER—43 bgs, Callao
GLUE—45 cs, Henneux Co, Bremen
44 bgs, Morningstar Nicol, Hamburg
FISH—20 bbls, Haras & Co, Kristiansund
GLYCERINE—299 tons, Procter & Gamble Co, Manila
GRAPHITE—600 bgs, Asbury Graphite Mills, Eergen
750 bgs, Asbury Graphite Mills, Tomatave
25 cths, E Hennigson & Co, London
250 bgs, Joseph Dixon Crucible Co, Colombo
1,000 bgs, Asbury Graphite Mills, Hong Kong
500 bgs, C Pettinos, Hong Kong
GYPSUM—19,963 tons, U S Gypsum Co, Hantsport
HYDROGEN PEROXIDE—121 cbys, Terra Chemicals Inc, Hamburg
ICHTHAMMOL—5 dms, Chas L Huisking & Co, Hamburg
IODINE, CRUDE—80 kgs, N Atlantic Fertilizer & Chemical Co, Yokohama
JABORANDI LEAVES—72 bls, Inland Alkaloid Co, Parnahiba
KAOLIN—30 kgs, E Fougera & Co, London
KARAYA GUM—122 bgs, P A Dunkel, Bombay
92 bgs, S B Penick & Co, Bombay
61 bgs, Meer Corp, Bombay
307 bgs, Jacques Wolf & Co, Bombay
134 bgs, Morningstar Nicol, Bombay
LAMP BLACK—1,200 bgs, Smith Chemical & Color Co, Antwerp
LAVANDIN OIL—4 dms, Yardley of London, London
LEMONGRASS OIL—6 dms, George Luecders & Co, Cochin
LIME OIL—3 dms, George Lueders & Co, Vera Cruz
2 dms, Lo Curto & Funk, Vera Cruz
LOCUSTBEAN GUM—200 bgs, Morningstar Nicol, Cenoa
200 bgs, Colony Import & Export Corp, Genoa
300 bgs, Hanover Bank, Barcelona
80 bgs, T M Duche & Sons, Rotterdam
400 bgs, P A Dunkel, Rotterdam
20 dms, Uni Gum Corp, Rotterdam
MACE—8 cs, A G Duan, Rotterdam
7 cs, Fuerst Bros, Rotterdam
22 cs, Karl H Landes & E Balint, Rotterdam
25 cs, Karl H Landes & E Balint, Penang
7 cs, Kellys America Ltd, London
66 cs, Mamassar
MAGNESIUM CARBONATE—10 cs, Synthetic Fertilizer & Chemicals, Antwerp
CHLORIDE—274 bgs, Smith Chemical & Color Co, Rotterdam
MANGROVE EXTRACT—10 bgs, Barkey Importing Co, Lourenco Marques
MARJORAM—51 bgs, R T French, Marseille
200 bgs, Villar & Osorio, Marseille
MENTHOL—305 cs, Amertrade Inc, Santos
MERCURY—50 flks, American Union Transport, Tampico
METAXYLIDINE—14 bbls, Astra Pharm Products, Stockholm
MINERAL WAX—3 cs, Dura Commodities Corp, Bremen
MOLASSES—500 tons, W R Grace & Co, Salaverry
MOLLESEED—2 bgs, Herman Hollander, Puna
MONTAN WAX—2,200 bgs, Strohmeyer & Arpe, Hamburg
267 bgs, Frank B Ross, Hamburg
MUSTARD SEED—300 bgs, Berns & Koppstein, London
320 bgs, Old Dutch Mustard Co, London
69 bgs, C Gulden, Valparaiso
480 bgs, Frank Tea & Spice Co, Copenhagen
MYROBALANS—1,457 bgs, Barkey Importing Co, Bombay
NUTMEG—70 bgs, Becker Mayer Seed Co, Rotterdam
12 bgs, A G Dunn, Rotterdam
134 bgs, Rotterdam
140 bgs, Karl H Landes & E Balint, Penang
139 bgs, Dodge & Olcott, Semarang
OLIVE OIL—53 bbls, Corrao Corp, Genoa
12 dms, National Shawmut Bank Boston, Barcelona
50 dms, Credit Suisse, Barcelona
ORANGE OIL—4 dms, Citrus & Allied Essential Oils Co, Puerto Plata
ORRIS ROOT—20 bgs, W J Bush & Co, Casablanca
PALM OIL—979 tons, Balfour Guthrie, Matadi
KERNEL OIL—606 tons, Durkee Famous Foods, Rotterdam
PAPAIN—280 bf chts, Chase L Huisking & Co, Colombo
93 cs, Chas L Huisking & Co, Mombasa
45 cs, Whitehall Shipping Co, Mombasa
17 cs, John Holt & Co, Mombasa
54 cs, American Ferment Co, Mombasa
49 cs, Mombasa
20 cs, American Ferment Co, Dares Salaam
11 cs, Ludwig Mueller, Dares Salaam
PAPAYA LEAVES—38 bls, S B Penick & Co, Bombay
PARATHION—1 cs, Internatio Rotterdam, Copenhagen
PATCHOULI OIL—12 dms, P H Petry, Penang
16 dms, Van Ameringen Haebler, Penang
2 dms, Antoine Chiris Co, Penang
8 dms, Lo Curto & Funk, Penang
PEATMOSS—200 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
1,000 bls, New Amsterdam Import Co, Bremen
505 bls, E Dunwoody, Bremen
400 bls, Transphere Trading Corp, Bremen
PECTIN—5 kgs, Jafbro Corp, Copenhagen
PENTAMETHYLENETETRAZOL—8 cs, R J Saunders, Copenhagen
PEPPER, BLACK—35 bgs, Polak Trading Co, Singapore
105 bgs, Far Eastern Commodities Corp, Singapore
80 bgs, Borneo Sumatra Trading Co, Oosthaven
80 bgs, A C Israel, Colombo
160 bgs, A C Israel, Cochin
120 bgs, A G Dunn, Cochin
240 bgs, Joensson & Cross, Cochin
560 bgs, Volkart Bros, Cochin
160 bgs, Dalamal & Sons, Cochin
1,040 bgs, Cochin
720 bgs, Alleppey
120 bgs, Ludwig Mueller, Cochin
RED—90 bgs, Becker Mayer Seed Co, Kobe
68 bgs, Wm E Martin, Mombasa
100 bgs, Joensson & Cross, Kobe
WHITE—140 bgs, A G Dunn, Singapore
28 bgs, C Czarinkow, Singapore
PEPPERMINT OIL TERPENES—2 dms, Berje Chemical Products, London
PETROLEUM CRUDE—168,836 bbls, Esso Standard Oil Co, Las Piedras
590,000 bbls, Esso Standard Oil Co, Puerto La Cruz
102,709 bbls, Esso Standard Oil Co, Cartagena
215,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
75,207 bbls, Cities Service Oil Co, Tuxpan
83,270 bbls, Hess Inc, Las Piedras
PHENANTHRIN—1 cs, Koppers Co, Rotterdam
PIMENTO—80 bgs, Mincing Trading Co, London
POLLACKLIVER OIL—125 dms, Bache & Co, Yokohama
100 dms, Scandinavian Oil Co, Yokohama
200 dms, Yokohama
150 dms, Taub Hummel & Schnall, Yokohama
75 dms, Albumina Supply Co, Yokohama
150 dms, Chase National Bank, Yokohama
100 dms, Bankers Trust Co, Yokohama
POLYVINYL ACETATE—24 dms, Terra Chemicals Inc, Hamburg
POPPY SEED—666 bgs, Becker Mayer Seed Co, Gdynia
333 bgs, A Gronowitz, Gdynia
333 bgs, Louis Furth, Gdynia
333 bgs, Levy & Levis Co, Gdynia
333 bgs, Joel Bieler, Gdynia
200 bgs, R J Spitz, Rotterdam
POTATO STARCH—2,200 bgs, American Key Products, Copenhagen
1,000 bgs, Stein Hall & Co, Copenhagen
PSYLLIUM SEED HUSKS—240 bgs, Prentiss Drug & Chemical Co, Bombay
1,167 bgs, T M Duche & Sons, Bombay
500 bgs, River Plate Corp, Bombay
712 bgs, Parke Davis & Co, Bombay
PYRETHRUM EXTRACT — 80 dms, McLaughlin, Gormley, King Co, Mombasa
FLOWERS—125 bls, Gulf Oil Corp, Mombasa
126 bls, Gulf Oil Corp, Dar es Salaam
QUEBRACHO EXTRACT—1,022 bgs, Buenos Aires
1,036 bgs, River Plate Corp, Buenos Aires
RADIUM ELEMENT—2 cs, Radium Chemical Co, Antwerp
ROXITE WAX—20 bgs, Strohmeyer & Arpe, Hamburg
SALICYLIC ACID—20 dms, R J Saunders, Rotterdam
SANDALWOOD OIL—17 cs, Lo Curto & Funk, Cochin
SASSAFRAS OIL—23 dms, Chase National Bank, Itajai
45 dms, Itajai
ARTIFICIAL—30 dms, Lo Curto & Funk, Kobe
SEEDLAC—750 bgs, East Asiatic Co, Bangkok
250 bgs, Capitol Shellac Corp, Bangkok
250 bgs, Colony Import & Export Corp, Bangkok
500 bgs, C H Timm, Bangkok
250 bgs, Bangkok
SERPENTINA ROOT—250 bgs, J M Rodgers Co, Puerto Barrios
SESAME SEED—250 bgs, Louis Furth, Corinto
657 bgs, De Sola Bros, Cutuco
SHARKLIVER OIL—50 dms, Bankers Trust Co, Yokohama
50 dms, Chase National Bank, Yokohama
148 dms, Bank of California, Yokohama
50 dms, Public National Bank, Yokohama
50 dms, Taub Hummel & Schnall, Yokohama
50 dms, Consumers Import Co, Yokohama
58 dms, Arista Oil Products Co, Yokohama
SHELLAC WAX—20 bgs, Wm H Scheel, Rotterdam
SILICON MANGANESE—2,000 bgs, South American Minerals & Mdse Corp, Yokohama
SOAP BARK—179 bls, S B Penick & Co, Valparaiso
SODIUM CYANIDE—650 dms, Chemical Manufacturing Co, Glasgow
134 dms, American Cyanamid Co, Glasgow
SILICO FLUORIDE—230 bgs, Riches Nelson, Rotterdam
SPERMACETI WAX—78 ctns, Glasgow
TALC—5,280 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—4,000 bgs, Morningstar Nicol, Itajai
860 bgs, C & W Trading Co, Itajai
5,000 bgs, Stein Hall & Co, Itajai
1,250 bgs, Geismar & Co, Imbituba
2,000 bgs, Stein Hall & Co, Imbituba
1,000 bgs, C & W Trading Co, Imbituba
1,000 bgs, M Rothchild, Bangkok
240 bgs, American Key Products, Bangkok
1,000 bgs, Stein Hall & Co, Bangkok
TAR—8,782 tons, London
TERRAMYCIN—2 cs, Bluefries N Y Inc, London
TETRAHYDROFURFURYL ACETATE—1 bx, Arizona Trading Corp, London
THIAMINE HYDROCHLORIDE—13 cs, D Hauser, Kobe
THYME LEAVES—100 bgs, K H Wherton, Marseille
TONKA BEANS—75 cs, Marklin Chemical Corp, Rio de Janeiro
TRIMETHYL XANTHIN—30 bbls, Rohner Gehrig, Hamburg
ULTRAMARINE BLUE—1,900 bgs, American Cyanamid Co, Bremen
1 bbl, M. Grumbacher, Rotterdam
UREA—273 bgs, Terra Chemicals Inc, Rotterdam
SYNTHETIC—4,000 bgs, Chemical Manufacturing Co, London
VALERIAN ROOT—60 bgs, Fritzsche Bros, Bombay
VANILLA BEANS—36 cs, Gillespie & Co, Semarang
25 cs, First National Boston, Antalaha
32 cs, Gillespie & Co, Antalaha
66 cs, Norda Essential Oil & Chemical Co, Tampico
VETIVER OIL—2 dms, L A Champon & Co, Port Au Prince
WHALE OIL—2 dms, Eelsingh & Lugtigheid, Bergen
WHITING—1,200 bgs, N H Weitzner, Antwerp
800 bgs, Whittaker Clark & Daniels, London
WOOL GREASE—1 dm, Eelsingh & Lugtigheid, Rotterdam
110 dms, Chemical Bank, Genoa
52 dms, Genoa
20 cs, Hummel Chemical Co, Bremen
23 bbls, Nehls & O'Connell, Hamburg
YLANG YLANG OIL—1 ck, W J Byrnes, Havre

Baltimore

ASBESTOS FIBER—1,500 bgs, N American Asbestos Corp, Lourenco Marques

Boston

COTTON LINTERS—60 bgs, Williamson Northrup Co, Callao
13 bls, Wonalancet Co, Callao
SEEDLAC—250 bgs, Borneo Sumatra Trading Co, Kohsichang
250 bgs, C H Timm, Kohsichang
SPERM OIL—556 dms, Salem Oil & Grease Co, Callao

Los Angeles

COPAL GUM—46 bkts, O G Innes Corp, Djakarta
COPRA—507 long tons, Procter & Gamble Co, Jolo
CAKE—6,000 bgs, Balfour Guthrie & Co, Manila
2,000 bgs, Pacific Vegetable Oil Corp, Manila
2,240 bgs, Balfour Guthrie & Co, Iloilo
MOLASSES—1,639 tons, National Molasses Co, Mazatlan
MONOSODIUM GLUTAMATE—75 cs, Universal Sales Co, Yokohama
PEPPER, RED—68 bgs, Hismoco American Co, Yokohama
PETROLEUM, CRUDE—39,784 tons, Texas Co, Sungai Pakning
13,610 tons, Sun Ltd, La Libertad
POLLACKLIVER OIL—100 dms, Interocean Chemical Corp, Yokohama
TAPIOCA FLOUR—1,670 bgs, American Key Products Inc, Bangkok
UREA—1,104 bgs, Guaranty Trust Co, Antwerp
1,500 bgs, C M C Chemical Co, Glasgow

Philadelphia

AMMONIUM CHLORIDE—1,000 bgs, Manchester
ANTIMONY—40 cks, Watson Geach, Manchester
ASBESTOS FIBER—2,000 bgs, Keasby & Mattison, Beira
BONE—130 tons, Transatlantic Animal By-Products Corp, Buenos Aires
MEAL—191 tons, Manufacturers Trust Co, Buenos Aires
CASEIN—500 bgs, F H Paul & Stein Bros, Montevideo
CASTOR OIL—300 tons, Recife
COALTAR—10 bbls, Meurer Co, Antwerp
CRESYLIC ACID—400 dms, Concord Chemical Co, Rotterdam
EARTH COLOR—450 bgs, Reichard Coulston, Rotterdam
673 bgs, Vandergrift Co, Bremen
FISHMEAL—4,000 bgs, Albumina Supply Co, Safi
FUEL OIL—101,378 bbls, Atlantic Refining Co, Aruba
GYPSUM—6,120 tons, U S Gypsum Co, Hantsport
HORNMEAL—520 bgs, Brown Bros, Buenos Aires
NAPHTHALENE—2,709 bgs, Barrett Division, Amsterdam
940 bgs, M Friedman, Rotterdam
PEATMOSS—800 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
500 bls, E Dunwoody, Bremen
500 bls, C Fafard, Bremen
PETROLEUM, CRUDE—745,799 bbls, Gulf Oil Corp, Mena Al Ahmadi
188,578 bbls, Socony Vacuum Oil Co, Mena Al Ahmadi
253,883 bbls, Cities Service Oil Co, Mena Al Ahmadi
100,542 bbls, Atlantic Refining Co, Caripito
231,839 bbls, Atlantic Refining Co, Pamatacual
229,270 bbls, Atlantic Refining Co, Puerto La Cruz
115,013 bbls, The Texas Co, Covenas
196,093 bbls, The Texas Co, Sidon
111,709 bbls, The Texas Co, Las Piedras
QUEBRACHO EXTRACT—545 bgs, First National Bank, Buenos Aires
1,024 bgs, Buenos Aires
RAPESEED—351 bgs, Phila. Seed Co, Rotterdam
SODIUM BICARBONATE—400 bgs, Manchester
TALC—334 bgs, Whittaker, Clark & Daniels, Marseille
TAPIOCA FLOUR—500 bgs, Perkins Glue Co, Itajai
UREA—351 bgs, National Shawmut Bank Boston, Rotterdam
WHITING—1,600 bgs, Pluess Staufer, Antwerp

San Francisco

ASBESTOS FIBER—1,198 bgs, Perryman & Mojonier Co, Lourenco Marques
800 bgs, Johns Manville Corp, Lourenco Marques
240 bgs, Keasby & Mattison, Lourenco Marques
1,616 bgs, Thornley & Pitt, Durban
1,120 bgs, Keasby & Mattison, Biera
BONEMEAL—1,099 tons, Consolidated Chemical Industries, Rosario
CINNAMON QUILLS—75 bls, Mincing Trading Corp, Colombo
CLOVE—80 bls, Zanzibar
COCONUT OIL CAKE—2,000 bgs, Internatio Rotterdam, Cebu
COPRA—500 tons, American Trust Co, Legaspi
CUTTLEFISH BONE—1,320 lbs, M S Cowen & Co, Nagoya
HERRINGMEAL—6,000 bgs, Antwerp
MACE—34 cs, Catz American Co, Djakarta
OLIVE OIL—250 dms, A Giurlani & Bro, Leghorn
PEPPER BLACK—445 bgs, Internatio Rotterdam, Singapore
48 bgs, Borneo Sumatra Trading Co, Singapore
80 bgs, B C Ireland, Singapore
104 bgs, Singapore
RED—140 bgs, M S Cowen & Co, Kobe
PETROLEUM, CRUDE—163,723 bbls, Tide Water Associated Oil Co, Mena Abdulla
POLLACKLIVER OIL—100 dms, Arista Oil Products Co, Yokohama
SODIUM BICARBONATE—200 bgs, C M C Chemicals, Manchester
CYANIDE—400 dms, C M C Chemicals, Manchester
TUNG OIL—258 dms, Pacific Vegetable Oil Corp, Beira

Savannah

TAPIOCA FLOUR—1,000 bgs, Stein Hall & Co, Kohsichang

Belgian Congo Drug Agency Now Employing Bid System

The Pharmaceutical Service of the Belgian Conga Government—which formerly obtained its supplies by communicating direct with suppliers in various foreign countries—has changed this procdure to the system of public tenders and sealed bids already in use by other departments of the government, according to the Department of Commerce.

Under this system, tenders are published in the *Bulletin Administratif du Congo Belge et du Ruanda-Urundi* and the respective specifications are available from the Pharmaceutical Service at 50 francs (approximately US$1) per set. The tender notices are published exactly one month before the date the bids are to be opened.

Time is an important factor in these procurements. It is suggested, therefore, that American firms interested in bidding on requirements of the Belgian Congo Pharmaceutical Service appoint agents in the Belgian Congo. Such agents could be expected to be familiar with the public bidding processes of the Belgian Congo government and, being in possession of price lists and in close contact with their principals, would be able to take immediate action on the tenders as they are published.

For the Bookshelf

THE CARE AND FEEDING OF GARDEN PLANTS. By fourteen authorities on botanicultural subjects. Cloth; viii+184 pages, 6x9 in. Washington: The National Fertilizer Association, $3.

In this book, a group of horticultural experts have addressed the home gardener in long-range which he—or she—can understand with a message which will help much to make more satisfactory gardens. This is not one of the numerous popular garden books; it gets down to fundamental needs—and tells how to meet them. It provides information on what makes plants grow, and it tells how to make use of it. Its scope covers everything from grass to trees, including vegetables and small fruits and window plants, as well as flowers, of course, with excellent color illustrations.

The information provided in this book runs from planting to fruiting or flowering. It covers pests, as well as natural processes; mineral needs, as well as manual requirements, because its sponsorship is stored between the National Fertilizer Association ond the American Society for Horticultural Service. It also deals usefully with the weather. In many helpful ways it brings the experts of educational and governmental institutions right into the chair beside the gardener's reading lamp.

This book is designed quite successfully for those who want to know how to get the best garden in the neighborhood. It will be found usefully informative by those who make a business of helping toward that end. In fact, it has almost limitless potentialities in business usefulness—as an implement of public relations.

Davison Revises Two Data Sheets

Davison Chemical Company, Baltimore, Md., a division of W. R. Grace & Co., has issued revised data sheets on "Reactivation of Bulk Silica Gel" and "Regeneration of Protek-Sorb 121," the latter being the Davison packaging desiccant. They may be obtained from the company's technical service department, Baltimore.

Vitro Sets Up Subsidiary For Uranium Exploration

Vitro Corporation of America, New York, and Rochester & Pittsburgh Coal Company have formed a jointly-owned subsidiary to be known as Vitro Minerals Corporation, for the exploration, drilling and mining of uranium claims held by the two companies.

Open-pit mining of extensive claims in the Gas Hills area of Wyoming, near Riverton, which adjoin the well-known Lucky Mc mine, is expected to be started late in February. Other uranium ore interests included in the new Vitro Minerals holdings are near the San Rafael Swell district of east central Utah, including the Daye-Davis and Desert Queen claims and a nearby Utah school section. In addition, the company will share in claims in the Blind River district of northern Ontario, Canada.

Glue Duty Status Quo

--Continued from page 3

new record high of 15,500,000 pounds and were equivalent in that year to 11.3 percent of apparent US consumption. Data indicates that imports for 1954 would prove to be considerably smaller than 1953.

United States production of animal glue and inedible gelatin averaged appreciably higher in postwar than in immediate prewar years. Production attained a level of nearly 149,000,000 pounds in 1947. Production in 1952 amounted to 110,000,000 pounds and in 1953 to 122,600,000 pounds. Production last year was believed to be about the same as 1953.

Replacement Factor Cited

"The decrease in domestic production of animal glue and inedible gelatin in later years as compared with immediate postwar years," the report said, "was probably in some small part attributable to the increase in imports but in greater degree attributable to the decrease in the demand for these materials resulting from their replacement in some uses by other adhesives and sizing agents.

"Information assembled by the Tariff Commission indicates that since 1949 the sales by domestic producers of synthetic organic resins for use as bonding and adhesive agents and for treating and coating textiles and paper more than doubled. In 1953 such sales—the bulk consisting of sales to United States consuming industries—were almost three times the volume of United States consumption of animal glues and inedible gelatins.

"Although it is probable that the use of synthetic organic resin adhesives may continue to increase, it does not appear likely that they will further displace animal glues."

Trade Briefs

Battelle Institute, Columbus, Ohio, has placed Dr. Ray E. Heiks in charge of sponsor relations for the department of chemistry.

Smith, Kline & French Laboratories, Philadelphia, has appointed Dr. Marshall B. Guthrie to the clinical staff of its research and development division.

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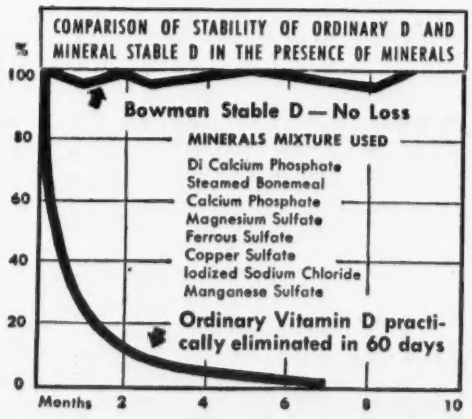

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Obituaries

Manning O'Connor

Manning O'Connor, a member of the board of directors of Colgate-Palmolive Company, Jersey City, N. J., died January 9 in Beverly Hills, Calif. He was sixty-six years old.

Mr. O'Connor joined Colgate in 1930 as a field sales representative. Three years later he was promoted to the position of national sales manager of the division. In 1935 he was made manager of the toilet goods division in charge of sales and merchandising. He was elected vice-president in charge of the division in 1942 and a director of the company in 1949.

Robert W. Brown, retired executive vice-president and director of General Printing Ink Corporation, New York, died January 10 in Montclair, N. J. He was eighty-five years old.

Royal W. Creden, national accounts marine representative for Cities Service Oil Company, died January 8 in White Plains, N. Y. Mr. Creden had been associated with Socony-Vacuum Oil Company for twenty years before joining Cities Service three years ago.

George Sutherland Elmore, president and a director of American Mining & Development Company, Wilmington, Del., died January 9 in Washington, D. C. He was thirty-nine years old.

Joseph Alan Feely, head of the asphalt department of Atlantic Refining Company for thirty-eight years prior to his retirement in 1946, died January 7 in Philadelphia. He was seventy-five years old.

J. Howard Hamilton, formerly commodity manager in the general sales department of American Can Company, died January 8. He was fifty-two years old.

Harold E. Logan, former treasurer and assistant secretary of Colgate Palmolive Company, Jersey City, N. J., died January 11 in Vista, Cal. He was sixty-eight years old. Mr. Logan retired in 1951. He had been with the company since 1929.

James E. Purdy, president, controller and secretary of Lummus Company, New York, died January 9 in Scarsdale, N. Y. He was sixty years old.

Jacob Reiss, a director of Drummond Dolomite, Inc., Detour, Mich., died in Deal, N. J., January 11. He was eighty-two years old.

Miner Ray Salmon, food chemist for Thomas J. Lipton, Inc., Hoboken, N. J., died January 6. Mr. Miner had been a research chemist for S. B. Penick & Co. from 1946 to 1953 and for Wallace & Tiernan, Inc., from 1940 to 1945.

Clayton J. Weydman, sales manager in charge of the Cincinnati, Ohio, office of Spencer Kellogg & Sons, Inc., died in Cincinnati, Ohio, January 4. He was fifty-seven years old.

Purdue Pest Control

—Continued from page 7

Control" and G. C. Oderkirk will have as his topic, "Repellents for Animal Pests."

A report on the Purdue project on mechanical atomizers will be given by J. V. Osmun during the afternoon, while there will be equipment demonstrations, in charge of Glen Lehker. W. W. Dykstra will speak on "Rodent Control in the Grain Sanitation Program," and on a panel on bird control, W. K. Delaplane, jr., and Jack O'Reilly will speak on "Trapping," while Mr. Dykstra will have as his topic, "Distress Calls."

Symposium on Hazards

The program will open on February 3 with a symposium on "Hazards Related to Chemicals Used in Insect Control." The following papers will be presented:—"Toxicological Hazards," by Wayland J. Hayes; "Safety for the Service Man," by R. M. Russell; "Product Damage Hazards," by Ralph E. Heal; "Safety Use of Insecticides," by Frank Princi and "Safety to the Customer," by B. E. Conley.

An afternoon program will be held on "Termites and Other Wood Destroying Insects." The following addresses are scheduled for presentation:—"Newer Approaches to the Solution of Subterranean Termite Problems," by Karl Hassler; "Specifications for Termite Soil Poisoning for Protection of Houses Under Construction," by Ralph E. Heal, and "Co-Operation Between the Termite Operator and Real Estate Agencies," by H. R. Packard, jr. A discussion on "New Ideas in Powder Post Beetle Control" will follow. R. O. Rowell will speak on "The Carpenter Ant and Its Control" and J. J. Pestana, jr., will speak on "The Carpenter Bee Problem." The program on February 3 will close with the annual banquet.

The following papers are scheduled for presentation on February 4:—"Development of Pressurized Specialty Products," by Norman Templin; "The Place of Dieldrin in Structural Pest Control Operations," by W. E. McCauley; "The Place of Dry Baits in Fly Control," by C. C. Alexander, and "Studies on the Use of Light Traps in Fly Control," by H. O. Deay.

Bids Wanted

Chromic acid, 129,200 lbs. in 100-lb. containers, inv. 474-B, Jan. 26, Contracting Officer, Topeka AF Depot, Topeka, Kans.

Gum arabic solution, 1,485 gals. in 55-gal. dms., inv. 34, Jan. 19, Army Map Service, 6500 Brooks Lane, Washington, D. C.

Methylene chloride, (CH_2C_{12}) 1,200 lbs., tech., inv. BEP-98, Jan. 21, Treasury Dept., Bureau of Engraving & Printing, 14th & C Sts., S.W., Washington, D. C.

Nitric acid, 900,000 lbs. red fuming, inv. 463, Jan. 18, 1,680,000 lbs., inv. 466, Jan. 17, Contracting Officer, Topeka AFB, Topeka, Kans.

Paint, 850 gals., 125 gals. varnish, 480 gals. reducer, inv. 260, Jan. 18, Contracting Officer, Aberdeen Proving Ground, Md.; synthetic-enamel thinner, dope and lacquer (cellulose-nitrate) thinner, methyl ethyl ketone (for use in organic coatings) for period from date of award thru June 30, 1955, East & West Coasts, inv. 75, Jan. 21, Armed Services Petroleum Purchasing Agency, Washington 25, D. C.; 2,610 gals. interior, semi-gloss enamel, 6,135 gals. interior, oil paint, inv. 383-484, Jan. 28; 15,000 gals. semi-gloss enamel for equipment, medium air drying, inv. 464, Feb. 3, 4,555 gals. aluminum paint, inv. 516, Feb. 4, 90,000 lbs. white lead pigment paste, inv. 383-491, Feb. 4, 97,000 gals. semi-gloss enamel, inv. 383-497, Feb. 3, Aviation Supply Office, Navy Dept., 700 Robbins Ave., Phila., Pa.

Superphosphate, 7 tons, inv. 13-4859, Jan. 25, Justice Prisons, Fed. Correctional Institution, La Tuna, Tex.

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Essential Oils, Aromatics, Flavorings

The essential oils market was less active, pricewise, last week. There were only four price changes reported. On the upward side, lemongrass oil advanced 15c. per pound, in a reversal of the somewhat easier trend in recent weeks. Wormseed oil gained strength, advancing 25c. per pound as it became evident that the relative lack of carryover would make future supply less plentiful than estimated earlier.

West Indian, expressed lime oil declined 25c. on spot. This was said to reflect growing anxiety on the part of shippers over the low quotations on Mexican lime oil in the spot market. In that country, lime oil was overproduced last year according to trade reports. Usually a good quantity of fresh limes are exported to this country by Mexico. The abundant lemon crop this year resulted in a smaller demand for imported citrus fruits. As a result more Mexican limes went into essential oil production. Bourbon vetiver oil declined 75c. per pound in the first price break in this essential oil in several months. The move was estimated by some trade quarters to be aimed at encouraging a setup in consumer buying.

The seed and spices market showed increased activity last week. Mexican anise seed advanced sharply, totaling 4c. on spot. The cardamoms moved, for the first time in months, with fancy, bleached, bold and AA grades advancing 15c. and 30c., respectively. Decorticated, Alleppey cardamom seed advanced 5c. Sierra Leone ginger advanced 1c. while Nigerian split quality declined 2c. per pound. Jamaica grades were unchanged but easier in tone. Nicaraguan, natural sesame seed was ½c. higher as reports of civil trouble and of a short crop boosted sellers' ideas.

French and Indian celery seed declined last week. The former 2c. per pound and the latter, ½c. Both Madagascar and Zanzibar cloves fell off 1c. on spot while cinnamon held unchanged. Black, Malabar pepper was 2c. lower late in the week and judging by the size of imports reported in recent months, supplies should be in fairly satisfactory shape. White pepper was firm with stocks reported to be none too plentiful. Mexican pimento eased 3c. last week while Jamaican quality remained firm. The supply situation in this spice was expected to remain tight for some time.

Price Trends

Advanced

Anise seed, Mexican, 4c. per lb.
Cardamom seed, fancy, bleached, bold, 15c. per lb.
AA, 30c. per lb.
decorticated, Alleppey, 5c. per lb.
Ginger, Sierra Leone, 1c. per lb.
Oil, lemongrass, 15c. per lb.
Wormseed, 25c. per lb.
Sesame seed, Nicaraguan, natural, ½c. per lb.

Reduced

Celery seed, French, 2c. per lb.
Indian, ½c. per lb.
Cloves, 1c. per lb.
Oil, lime, expressed, West Indian, 25c. per lb.
Vetiver, Bourbon, 75c. per lb.
Pepper, black, Malabar, 2c. per lb.
Pimento, Mexican, 3c. per lb.
Poppy seed, Polish, 1c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Jan. 15, 1954
136.03	136.07	138.80	148.99

(For Current Prices see page 9)

Essential Oils

Anise—The spot market continued very firm at $3.50-$5 per pound. This important flavoring oil has not been imported into the United States in over two years due to the government embargo on trading with Red China. While small quantities of prewar stocks are still available, they are very slim and once completely exhausted there will be none for our domestic industries. Even without the demand from this country, the Chinese market for anise oil has jumped recently, and Europe is now paying $2 per pound to China as against $1.25 earlier in the year. In fact, it is rumored that some Chinese merchants will not sell anise except with a tie-in sale for cassia, which is a drag on the market there. As for American supplies of cassia oil the situation is substantially the same as for anise. No oil can be imported into the country and stocks in the market have all but disappeared. Imitation products are available for both items, and are coming into general use as the situation supply-wise steadily worsens, it was noted.

Dillweed—The spot market was noted to be firming as it became more apparent that there is not too great a quantity of high test oil to be had. Adverse weather conditions damaged the crop to some extent this past year with the result that a good deal of the oil distilled was below high test.

Geranium—Reports from Reunion were that Bourbon geranium oil prices may advance in the not too distant future. Some offers were reported at $23 per kilo, f.o.b., Reunion, due to the slow down in buying from Europe and the United States. There has been no export business done in quite some time, it was said.

Some of the local speculators would like to push the price down a bit so that they can buy some merchandise but since stock is rather scarce, local sellers were reported to be maintaining their position and awaiting more favorable prices.

It was felt that as soon as there is some demand from Europe or from the United States that there will be an increase in prices, especially since stocks are tight in view of the fact that Russia absorbed 25 to 30 tons of Bourbon production in 1954.

In 1953, geranium oil declined to $15 per kilo f.o.b. and since at that price there was no profit for the producers, many plantations were abandoned. Exports this year, 102 tons to date, were made up of old stocks 52/53 crop and a small production during 1954. The local banks have not made advances as they usually do to the smaller distillers, and many of the producers being in a position where they had to sell some merchandise, did sell and these small stocks were picked up by the exporters. Therefore, all existing stock is generally in very strong hands, it was noted.

The new crop was expected to be of fair size and consumer demand was expected to increase in the coming year.

Lemongrass—The spot market bounced back upward last week, advancing 15c. per pound, on spot. Prices have been shifting on this oil in recent weeks. Two important factors influencing this market were the steady demand from producers of vitamin A and speculative buyers. Synthetic vitamin A is manufactured from citral which is in turn, derived from lemongrass oil. A new process for the manufacture of citral through synthesis was eagerly anticipated by these producers since they would be freed from dependence upon lemongrass oil and all its price vagaries.

India shipped more lemongrass oil to the American market in the first nine months of 1954 than in any previous full year with the exception of 1949. Much of this, of course, must replace Guatemalan oil. Two years ago Guatemala shipped 650,000 pounds to America; in 1953 about 150,000 pounds and in 1954 will probably have shipped no more than 50,000. Since the political situation in that country has somewhat stabilized itself, efforts were reportedly being made to increase production for 1955.

Lime—Spot prices declined 25c. on West Indian, expressed lime oil last week. The current market ranged from $7.50 to $8.50 per pound. Due to heavy production and lack of demand, this material is selling below cost of production. By Spring the price will very probably increase, it was said. The overproduction has been in Mexico, and England was reported to be buying in that country where formerly she depended upon her colonies in the West Indies for supplies. Currently those colonies were asking about $1.50 per pound more than Mexico, and experiencing a shortage in supply. Haiti, while not a heavy producer, usually produces 20/25,000 pounds per year. Last year, however, she was visited by hurricane Hazel, and the considerable damage done all over the island will probably stop production of lime oil until the next crop becomes available in May or June, it was said.

Ocotea Cymbarum—Demand for this oil continued very strong last week. Supplies remained short of estimated consumer requirements and no relief was looked for in the immediate future. Prices ranged from $1.10 to $1.50 per pound, depending upon seller and quantity.

Orange—Prices have just about hit bottom in the opinion of some trade observers. The current market ranged from

For Late Market Developments, See Page 4

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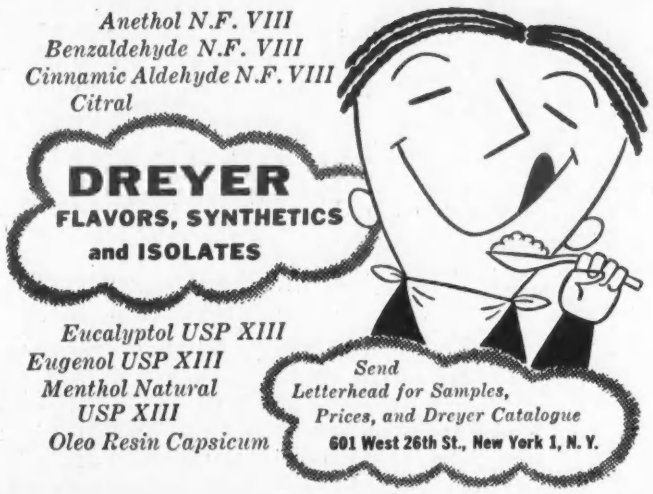

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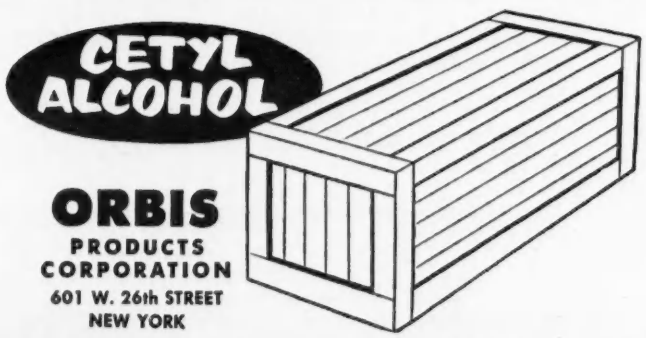

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60c. to $1.25 per pound with some shading heard below the minimum quoted level. Supplies were more than ample to accommodate consumer requirements. Inquiry should pick up in the Spring, it was said.

Peppermint—The market remained unchanged last week, with demand steady and prices very firm. Prospects were considered good that prices on high test oil might rise higher. A surge in consumer demand could be expected to be reflected in higher prices, it ws said.

Spearmint—The spot market continued to exhibit strength last week. What had originally seemed like a very large overproduction last year was being well absorbed by demand. Steady buying has put the price up slightly from the low point of several months back. As it is felt that spearmint is now selling at or below the cost of production, it is well for consumers to keep fully covered on this item. If the present rate of demand continues, somewhat higher prices are probable, it was said.

Wormseed—New crop oil continued to come into the market last week. However since there was virtually no carryover such as existed a year ago, no definite trend was discernable, it was said. Prices currently ranged from $5.25 to $6.50 per pound.

Miscellaneous

Anise Seed—Mexican anise seed prices advanced 4c per pound last week in the spot market. The current price was 30c. per pound. Spanish anise was steady at 38c.

Cardamom Seed—The spot market was firmer on select grades. Fancy, bold quality was up 15c., at $3.90 per pound while select AA grade was advanced 30c. being offered at $3.60. Green grades were easier, however, with Alleppey and Ceylon cardamom at $1.90 respectively. Decorticated Alleppey cardamom was 5c. higher at $1.90.

Cassia—There were no price changes in the spot market last week. Korintje qualities have been moving well and spot stocks are largely committed. Batavia's have shared in the demand to a lesser extent but are also selling at levels that make replacement unattractive. Cassia's are the cheapest of the major spices, it was noted.

Celery Seed—French celery seed declined 2c. on spot while Indian quality dropped ½c. per pound. The former was currently quoted at 46c. to 50c. and the latter, at 14½c. to 15c.

Cloves—Fairly sizeable arrivals were reported to have depressed spot prices to about levels at the source when the cost of reconditioning is taken into consideration. Cloves may increase in demand, however, according to some trade sources, due to the rising prices of allspice (pimento). The current market was down 1c. from the preceding week and was quoted at 53c.-54c. on both Madagascar and Zanzibar qualities.

Ginger—Sierra Leone ginger price advanced 1c. per pound last week and were quoted at 31c. to 32c. per pound. Jamaica grades Nos. 2 and 3 eased slightly while Nigerian split ginger fell off 2c. per pound to 27c.

Nutmeg—Stocks of East India grades remained small and it appeared probable that supplies will be tight for the next six months. There have only been occasional offers for shipment. West India prices were slowing approaching import costs, it was noted. With the prospect that East India nutmegs will continue scarce and firm, there was little chance that the West Indian marketing cooperative would consider reducing its levels, it was said.

Pepper—The spot market declined 2c. to 42c. last week on black, Malabar pepper. White pepper was steady and firm at 65c. It looks that December shipments from India were slightly higher than expected and are now figured at about 900 tons. This assures a reasonable continuity of supplies. The fact that Lampong and Sarawak arrivals will be falling off, will not have any immediate effect on values, it was said.

Local stocks of white pepper are small and shipment prices continue firm. Because of the sizable differential between black and white pepper, importers have been very conservative in bringing white forward. It is quite likely that the article will continue on the scarce side for at least the next three months and should advance on any strength in black. The better qualities of red peppers are not in very good supply. Prorated deliveries of Carolina's and defaults in shipments of Hontakn's should eventually mean a scarcity of the better grades. The fact that Turkish chillies are cheap and heavily stocked, has probably caused all types to be neglected, it was noted.

Pimento—Mexican pimento was reported off 3c., on spot. The current price was 82c. per pound. Jamaican pimento was quoted unchanged at 98c. Stocks were light, in general, but the high prices have stiffened consumer resistance, it was said.

Poppy Seed—Polish poppy seed declined 1c. on spot while other grades held unchanged. The current price on Polish poppy seed was 26c. to 27c. per pound.

Sesame Seed—Natural sesame seed advanced ½c. per pound last week and was quoted at 17c. to 17½c. per pound. It was believed that this market would continue to strengthen in view of a reported short crop and also as a result of the current political difficulty which flared up last week.

Joins USDA in New Orleans

Dr. Gilbert E. Goheen, formerly director of research of the J. T. Baker Chemical Company, Phillipsburg, N. J., has joined the staff of the Department of Agriculture's Southern Utilization Research Branch in New Orleans, La., as assistant chief of the branch. Before joining J. T. Baker, Dr. Goheen was a research associate with Sun Oil Company, Philadelphia, for four years and then for ten years with General Aniline & Film Corporation, New York, first as an assistant to and later as associate director of research.

Chemical Process Appoints

John J. Bogner has joined the polyester division sales and service staff of Chemical Process Company, San Francisco, Cal. Mr. Bogner was formerly with Borden Company and Reichhold Chemicals, Inc.

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Textile and Leather Chemicals

Noticeable improvement was noted t week in consuming inquiry for texe and leather chemicals for prompt d later requirements. Moderate volne of sales also took place for imediate delivery. Market tone relined on a steady basis.

Tapioca flour commanded more incest for shipment from producing nters, especially for Java and Siase grades, while inquiry for Brazian flour continued light. Offers of ipment from Java were liberal and ices were competitive with Siamese. tato starch continued steady, with ir volume of trading reported at unanged prices for prompt delivery. oduction in Maine was reported modate but was expected to increase to rmal volume within the next month. mand for corn starch and dextrin as more active for prompt requirents.

Tanners showed more interest in tang material replacements, though acal trading was still light and spotty. imary markets were quotably unanged and fairly steady, with the exption of valonia extract which dened fractionally.

Shipments of rayon and acetate filaant yarn and staple during January-ovember, 1954, inclusive totaled 1,001,-0,000 pounds, about 8 percent below e same period in 1953, according to xtile Economics Bureau. While shipents began to pick up in the latter onths of the year, it appears certain at final results will be lower than 68,700,000 pounds shipped during the hole year of 1953 and considerably be-w 1,268,500,000 pounds in the peak ar of 1950.

Wool and blended carpet and rug oduction during October, amounted 5,122,000 square yards, a decline of percent from the October, 1953, rel, the Carpet Institute has anunced. During the first ten months this year, production totaled 46,284,-0 square yards, a decrease of 20 perat from the corresponding period of 53.

hemicals

Bichromates—Steady demand was noted delivery against former contracts. Mart was unchanged and firm for all grades. ntracts for this year's requirements ve been booked at current prices.

Sodium Acetate—Fair demand was reted for prompt needs. Prices were intained at former levels.

Sodium Hydrosulfite — Lower cost of oduction resulted in the lowering of ces 1½c. per pound, which became eftive January 7. Consuming demand was rly active for immediate and later dery.

Sulfonated Oils—Consumers continued operate in a hand-to-mouth manner. l varieties were held at prevailing quoions.

zing Materials

Albumin Blood — Buying interest was re active, though purchases were still tty and confined to actual needs. Prices re well held at 65c. to 80c. per pound, cording to quantity.

Corn Dextrin—Improved demand was orted for prompt requirements. Prices all grades were unchanged and steady. im was quoted at $6.85 per 100 pounds, per bags, carlots, New York delivery; hary $8.65, dark $8.70, and white $8.53, ne basis. Less carlots were 15c. per 100 unds more.

Corn Starch—Noticeable improvement s noted in consuming demand, especialfor actual needs. Prices were mainned at former levels. Pearl was quoted $7.14 per 100 pounds, paper bags, cars, and powder, $7.29 per 100 pounds, w York basis. Smaller quantities were . per 100 pounds higher. Visible corn pply was reduced 426,000 bushels to 49,-2,000 bushels for the week ending Jany 7, compared with 36,208,000 bushels the corresponding week last year, acding to The Chicago Board of Trade.

Corn on farms January 1 was estimated the Department of Agriculture at 2,070,-7,000 bushels, 3½ percent smaller than year ago, which totaled 2,144,305,000 shels but were 2 percent larger than 10-r average of 2,036,411,000 bushels.

Egg Albumin—Trading was more active, with consumers taking larger quantities for prompt requirements. Prices were steady and unchanged. Flake was held at $1.30 to $1.33 per pound, and powder, $1.34 to $1.37 per pound, spot, depending upon quantity. The technical grade was unchanged at 85c. to 87c. per pound, same basis.

Record egg production was reached in 1954, totaling 64,582,000,000, compared with 61,704,000,000 in 1953 and 1943-52 average of 57,069,000,000, it was reported by the Department of Agriculture. The output in December amounted to 8,833,-000,000, against 8,400,000,000 in November; 8,907,000,000 in December, 1953, and 10-year average of 4,110,000,000.

Egg Yolk—Moderate demand was noted for actual needs. Market was unchanged and steady. Spot stocks ranged from $1.02 to $1.04 per pound, depending upon quantity.

Potato Starch—Consumer interest was more active and moderate volume business took place for prompt shipment. Sales were reported at 6c. per pound, carlots, f.o.b. mills, Maine. Offers were maintained at this figure for later shipments. The Idaho market was unchanged at 6¾c. per pound, carlots, mills. Trading for spot delivery was noted at 8c. to 8½c. per pound, exdock, as to quantity. Imported starch was inactive and nominal. Danish was quoted at 7.2c. per pound, carlots, exdock, duty paid, and Dutch, 7¾c., same basis.

Sago Flour—Small lots were in fair request for spot delivery. Raw was quoted at 6½c. to 6¾c. per pound and refined, 8¼c. to 8¾c., exwarehouse, as to quantity. Replacements were unchanged at 5¾c. per pound, exdock, prompt shipment.

Tapioca Flour—Buying interest was improved for prompt and later delivery, as consumers anticipated their wants. Offers from Java were freer. AAA was quoted at 5.85c. to 5.90c. per pound, carlots, exdock for January shipment. Siamese ranged from 5½c. to 7c. per pound, same basis, depending upon quality. Top grade Siamese on spot was held at 7½c. to 7¾c. per pound, exwarehouse, as to quantity. Interest in Brazilian flour was light. Prompt shipments were offered freely at 7½c. per pound, carlots, exdock, which were said to be shadable, while spot stocks were held at 8½c. to 9c. per pound, exwarehouse, for small lots.

Tanning Materials

Exports of hides and kips from Argentina have continued to rise, according to Tanners' Council, despite constant reports of a well sold-up position. Exports in November amounted to 732,000 pieces compared with 620,000 the previous month and 193,000 a year ago. For the first 11 months of 1954, Argentine exports amounted to 6,367,000 pieces against 6,-019,000 pieces reported for the same period in 1953.

Cutch—Market quiet, but steady. Shipments were unchanged at 8½c. per pound, exdock, plus duty.

Quebracho Extract—Steady tone prevailed, despite quiet business. Shipments were maintained at former levels. Solid ordinary guaranteed 63 percent tannin was quoted at 11 21/32c. per pound, exdock, plus duty, and clarified, 64 percent at 12 23/64c. per pound, same basis.

Valonia—Buying interest continued slow. Prices were unsettled and slightly lower for cups and extract, while beards were unchanged. Beards were available at $56 per ton, exdock, prompt shipment and cups, $44 per ton,, same basis. Extract, 63 percent tannin was held at 8c. per pound, exdock, plus duty.

Wattle—Consuming inquiry has improved for prompt shipment. Offers for shipments were well held at former levels. Fair average bark was quoted at $98 per ton, exdock, and merchantable at $94 per ton, same basis. East African extract, 60 percent tannin was offered at 9¾c. per pound, exdock, plus duty, while South African was held at 10c. per pound, same basis.

Price Trends

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(100=1949 average)

Last week	Prev. week	Last month	Jan. 15, 1954
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(For Current Prices see page 9)

For Late Market Developments, See Page 4

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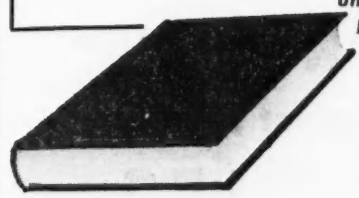

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Oils, Fats and Waxes

Buying interest in edible oils slackened last week, due in part to the easiness of soybeans following the government report indicating heavy bean stocks on farms on January 1. This was reflected in soybean oil, which declined fractionally. Cottonseed and corn oils, also were affected and closed lower. Crude peanut oil continued scarce and was entirely nominal, while the refined grade was higher.

Trading in tallow and greases was slow. Exporters showed less interest than the week previous and large domestic buyers reduced bids. Prices were unchanged except for choice white grease, which was off fractionally. Edible animal fats were inactive for export and continued unsettled. Lard also was easier.

Crude coconut oil was irregular and slightly lower. Copra also declined fractionally.

Among drying oils, tung continued the firmest on the list. Trading took place at higher prices and the market was strong, due to limited stocks for nearby and prompt delivery and the increased cost of replacements from the Argentine. Demand for linseed oil continued slow, but all positions were quotably unchanged. Oiticica was quiet and firm bids could have shaded asking prices. Refined fish oil was in fair request and steady, with crude menhaden oil.

Recent sharp advance of bleachable crude beeswax continued to feature this market. Offers from primary sources were reported practically nil. African crude also was firm and higher. Heavy arrivals of crude carnauba weakened these grades and prices were reduced for No. 3 Ceara, crude, depending upon quality. Japan wax on spot was easier and off 1 cent per pound.

Vegetable Oils

Castor—Business was reported moderate, chiefly for actual needs. Prices were maintained at former levels. No. 1 Brazilian was unchanged at 14½c. per pound, tank cars New York prompt delivery.

Coconut—Market was slightly lower. Trading was fairly active. Crude oil was steadier at the close with tankcars held at 12⅞c. f.o.b. Pacific coast and 13⅞c. per pound, New York, prompt delivery.

Corn—Crude was off slightly. Sales were reported at 13⅛c. per pound, tankcars, f.o.b. mills. Refined also was lower at 16⅝c. per pound, tankcars, New York.

Cottonseed—Trading in cottonseed oil futures was fairly active last week. Speculative demand was moderate, which was satisfied by trade interests hedging operations. Market was slightly easier with crude cottonseed and allied markets, but price declines were narrow. Cash demand was quiet. Refined salad oil was lower and quoted at 16⅝c. per pound, tankcars, New York, prompt delivery. Crude cottonseed oil easier and off fractionally to 13c. per pound, tankcars, f.o.b. mills, Southeast; 12¾c., Valley and 12½c., Texas. Trading was limited at these levels.

Sales of cottonseed oil for export were 140 short tons of refined, grading PBSY at 12.01 cents per pound; 10,000 long tons of refined grading PBSY at 12.37 cents per pound; 30 short tons of refined grading good, off summer yellow, at 11.64 cents per pound, and 47 tankcars of crude at 12.02 cents per pound, f.o.b. Gulf and 11.40 cents per pound, west coast.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended January 14 follow:—

	Sales	Cents per pound—High	Low	Close
March	103	15.25	15.01	15.01S
May	89	15.25	15.07	15.07S
July	114	15.23	15.02	15.02@15.03
September	9	14.90	14.80	14.76@14.79
October	2	14.80	14.75	14.75S
December	5	14.80	14.72	14.72S

Total sales, 311 contracts.

Memphis—Crude cottonseed oil quoted at 12¾c. per pound, tankcars, Valley and crude soybean oil, 12c. per pound, Decatur, prompt delivery. Trading light. Cottonseed meal 41 percent was offered at $72 per ton, sacked, Memphis; hulls, $15 per ton bulk and $20, sacked, same basis.

Linseed—There was no improvement to the light demand for linseed oil. Demand was confined to fill-in needs. Prices were without change. Raw oil was offered at 12.3c. per pound, tankcars, Minneapolis,

Price Trends

Advanced

Oil, palm, ¼c. per lb.
Peanut, refd., ¼c. per lb.
Tung, ½c. per lb.
Wax, crude, African, 1c. per lb.

Reduced

Cocoa butter, 1c. per lb.
Copra, $5 per ton.
Grease, choice white, ¼c. per lb.
Lard, ¼c. per lb.
Oil, castor No. 1, Braz. ¼c. per lb.
Coconut, crude, 7¼c. per lb.
Corn, crude, ¼c. per lb.
refd., ¼c. per lb.
Cottonseed, crude, ⅛c. per lb.
refd., ¼c. per lb.
Palm kernel, ¼c. per lb.
Soybean, crude, ¼c. per lb.
refd., ¼c. per lb.
Oleo stearine, ¼c. per lb.
Wax, No. 3 crude, Ceara, 4c. per lb.
Parnahyba, 1c. per lb.
refd., Ceara, 2c. per lb.
Japan, 1c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Jan. 15, 1954
113.37	113.39	113.31	103.45

(*For Current Prices see page* 9)

January-March delivery and 12½c., Apr June. Withdrawals of oil against contrac became more active.

Commodity Stabilization Service r ported the sale of the entire quantity off-specification linseed oil held by CC totaling about 1,027,466 pounds at 8.0 per pound for the week ending January The oil was located at Newark, N. J.

Minneapolis.—Linseed oil prices held stea but trade observers reported it was possible book at slightly less than the open schedule rundlot offerings. Buyers were not acti however, booking only scattered tankca Warehouse price on raw oil was at 12.5c. pound, tankcars, f.o.b., Minneapolis. The op schedule for January-March delivery was 12.3c. a pound; April-June at 12.5c.

Shipments of linseed oil from Minneapo in pounds, were as follows:—

	1954-55	1953
Past week	8,280,000	5,580,0
Since Sept. 1	147,780,000	124,380,0

Flaxseed—Stocks of flaxseed on far on January 1 were estimated at 15,990,0 bushels by the Department of Agricultu compared with 16,240,000 bushels a ye ago and January 1 10-year (1944-53) av age of 10,580,000 bushels.

Minneapolis.—Flaxseed trade remained t last week as crushers were not very active the buying side and offerings (mostly fr elevator storage) were light. Offers from country virtually dried up. Flaxseed sold $3.34 to $3.36 a bushel, Minneapolis deliver price, for spot and to-arrive offerings. Tra observers said a good share of the flaxseed marketed to date may go under governm loan. There was no word of the new supp price on flaxseed as yet. The deadline for pl ing 1954-crop flaxseed under government su port is Jan. 31.

Receipts and shipments of flaxseed, in bus els, were as follows:—

	Receipts 1954-55	Receipts 1953-54	Shipments 1954-55	Shipments 1953
Past week	313,250	545,750	47,250	70,0
Since Sept. 1	17,812,600	12,472,570	3,963,750	2,565,5

Oiticica — Trading continued inactiv Tankcars were unchanged at 15¼c. p pound, New York, prompt delivery. Drun were quoted at 16½c. to 16¾c. per pou as to quantity.

Olive—Firm tone prevailed in this ma ket. Stocks were firmly held at form quotations. Spanish was quoted at $2. to $2.45 per gallon, drums, duty paid, a Tunisian, $2.25 to $2.30, same basis. Offe for shipments from primary sources we light and firm.

Palm—Market was higher reflecting t strength of primary sources. Drums we raised to 12¾c. to 13c. per pound, sp as to quantity. Tankcars were advanc to 11½c. per pound, prompt shipment.

Palm Kernel—Weakness in coconut w reflected in this market. Tankcars we lower at 13¼c. per pound, New York, f prompt delivery.

Peanut—Crude was scarce and entire nominal at 19¼c. per pound, tankca f.o.b. mills. Refined was firmer at 22¼ per pound, tankcars, New York basis.

Rapeseed — Demand was light a spotty. Tankcars were held at 17c. p pound, New York, January delivery a 16½c., February.

Soybean—Crude oil developed an easi tone as a result of heavy stocks of so beans on farms January 1, which caus buyers to reduce interest. Prices were c fractionally under light trading. Sal were reported at 12⅛c. per pound, tan cars, Decatur, spot, and 12c. late Januar scattered February 11¾c.; March-Apr 11⅝c. and May-July, 11½c., same bas

For Late Market Developments, See Page 4

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Refined salad was lower at 15⅛c. per pound, tankcars, New York, prompt delivery.

Sales and prices of crude soybean oil futures on the N. Y. Produce Exhange in tankcars (60,000 pounds) for the week ended January 14 follow:—

	Sales	Cents per pound High	Low	Close
March	5	11.76	11.64	11.60@11.63
May	26	11.83	11.55	11.52@11.56
July	4	11.62	11.45	11.42@11.48

Total sales, 35 contracts.

Soybeans stocks on farms January 1 were estimated at 150,267,000 bushels, the largest on record, it was reported by the Department of Agriculture. Stocks on farms a year ago totaled 81,599,000 bushels and the January 1 10-year (1944-53) average, 65,839,000 bushels.

Tung — Further strength featured this market. Trading was moderate and took place up to 22c. per pound, tankcars, New York, prompt delivery, with sellers holding at 22¼c. Prices were firm, reflecting the higher cost of replacements. Forward positions were held at the same level as nearby. Drums were higher, ranging from 23¾c. to 24½c. per pound, as to quantity.

Miscellaneous

Castor Beans — Shipments were maintained at $104 (floor price) per ton, f.o.b. Brazilian ports. Trading was reported inactive.

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:—

	Pounds Beans	Oil
Last week	10,679,100	3,340,000
Previous week	1,764,450	750,000
Corresponding week, 1954	8,725,950	
Total this year	12,443,550	4,590,000
Corresponding period, 1954	10,390,200	1,250,000

Cocoa Butter—Market was quiet and unsettled. Prices ranged from 81c. to 86c. per pound, spot, as to quantity.

Copra—Slackened demand weakened the market. Shipments were lower at $177.50 per ton, c.i.f. Pacific coast.

Fats and Greases

Greases—Trading slackened for both domestic and export delivery. Prices were without change and fairly steady, except for choice white, which dropped ¼c. per pound. Choice white not all hog was available at 7¾c. per pound, tankcars, the same price asked for yellow grease. House grease was nominal at 7½c.; brown, 6½c., and choice white all hog, 8¾c., tankcars, delivered.

Lard—This market continued weak, declining fractionally. Cash lard was quoted at 13c. per pound, drums, Chicago.

Oleo Oil—Buying interest lagged and market was more or less nominal. Extra ranged from 17c. to 17½c. per pound, drums, spot, as to quantity. Oleo stearine

—Continued on page 65

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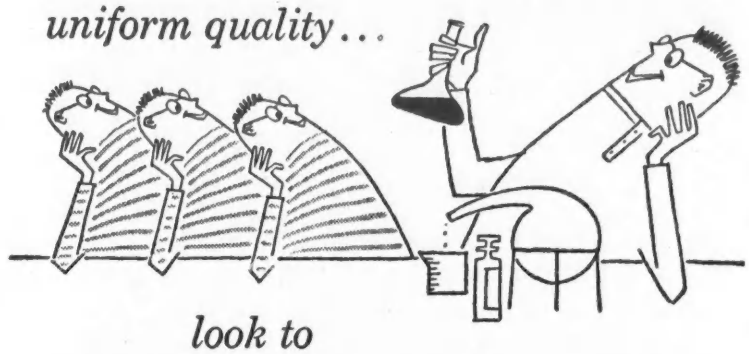
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Protective Coatings Materials

Business in plasticizers showed a gain, with demand from all users increasing. The outlook was encouraging, and indicated a very stable price structure in the weeks ahead. The market for phthalates appeared to be moving toward greater stability. Although some reports of price concessions were heard, there seemed to be very little material actually moving at lower prices. Listings were held steady by most of the markets' major producers. The costs of raw materials were such that no reductions in dioctyl phthalate or other phthalates were considered feasible. The reduction in dioctyl adipate prices initiated during the week previous by one supplier was met by other sources in the past week, making the prevailing tankcar price 42½ cents per pound. The sebacates were firm and material was reported moving in good amounts. Tricresyl phosphate sales picked up a bit. Prices were steady for all the phosphates.

Prices of cadmium sulfoselenide reds were not affected by the recent advance in the price of selenium. Supplies of all selenium-containing colors were very tight as the makers searched the market for any amounts of selenium that could be found. The scarcity was expected to persist for as long as the government continued a big user. Prices for black and green nickel oxides were steady after rising the week previous. Non-government consumption was restricted by a lack of material. Lead and zinc pigments remained steady as the price situation for the metals held firm.

Synthetic resins moved well to good demands from almost all users. An improvement in call for maleics was reported. Some petroleum hydrocarbons have exceeded expectations in their acceptance by consumers and in the extent of new applications.

Supplies of Copal gums at the sources were reported to be smaller than world demand required, leading to a very firm situation. Manila grades have become tight in supply and have thrown some attention over to the Philippine grades. Prices at present levels were well-maintained. Buying pressure for Dammars was less intense, although considerable interest was shown, and prices were maintained firmly at present levels. Shellac was steady but not quite so strong as formerly. There appeared at last to be some chance of an easing off in prices. Sellers in this country felt that a slight decline in prices would be a healthy development. Casein prices edged upward in response to a firmer attitude in the Argentine. At present, Argentina has virtually no competition from other producers.

Price Trends

Advanced
Casein, Argentine, ½c. per lb.

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Jan. 15, 1954
97.10	97.08	97.06	93.68

(*For Current Prices see page 9*)

Prime Pigments

Aluminum Paste, Powder—Business was reported quite good over the past weeks for both the paste and powder. The atomized grade was reported moving well to a good demand from the government. Prices remained stable at a listing of 43c. per pound for the paste, in 200 pound drums. Powder was priced from 72c. per pound, in 250 pound drums. Special grades were priced higher.

Net shipments of flaked powder during November were 338,000 pounds, as compared with 313,000 pounds in October, according to the Department of Commerce. Net shipments of atomized and grained powder totaled 1,909,000 pounds in November, down from the figure of 2,328,000 pounds reported for October. Net paste shipments totaled 849,000 pounds, as compared to October's figure of 1,090,000 pounds.

Cadmium Colors—Prices of cadmium sulfoselenide reds were stable over past week and were not affected by the recent jump in the price of selenium. Producers had no immediate plans to raise their quotations for these colors. Supplies of all colors containing selenium remained exceedingly tight and non-military users were hard pressed to obtain their needs. Manufacturers searched the market for any amounts of selenium that might be available. Scarcity was expected to plague the market for some time, as there was no end in sight for the government's buying program. Colors not containing selenium were in ample supply.

Cobalt Oxides—Consuming demand was said to be quite good since the first of the year. Some slackening of interest had been noted during the past weeks of 1954, but it proved temporary and slight, for the most part. Prices were steady at current quotations.

Copper Oxides—Production moved into consumers' hands in good volume over the past fortnight, it was reported in the industry. Prices were felt to be quite firm at previous listings. The market was adequately supplied at the present.

Lead Pigments—Prices for the metal made no changes over the week, and related pigments were correspondingly steady. Lead paste and monosilicate experienced a good call, it was reported. The year appeared to have started on a good note and producers expected a healthy rate of spring orders, judging by the current buying attitude.

Nickel Oxides—Prices for black and green nickel oxides were steady at their recently advanced levels. Supplies were reported quite light because of the shortages of the metal. This was a condition that producers expected to see persist for some time, in view of the high level of government needs. No further changes in quotations for the oxides were in sight.

Toluidine Reds, Yellows—All shades were steady in price and moving well to a good consumer interest. Yellow pigments of the "Hansa" type were firm at recently advanced levels. Producers experienced no great difficulty in supplying customers' needs, a situation that was expected to prevail during the weeks immediately ahead.

Zinc—Oxides remained steady during the week. The metal made no changes, and under this influence, there were no changes in related materials. Basic zinc chromate was priced at 31c. per pound, and was steady after rising 1c. at the first of the year.

Synthetic Resins

Alkyds—Business has picked up from several directions, according to a number of sources in the industry. There was no single interest in particular that accounted for the upswing, but it was reported to be a general one throughout the market as a whole.

Coumarones—The market for coumarones, and for indenes as well, was reported quite steady. The price structure held firm in spite of a bit of price shading reportedly encountered here and there. Demand was expected to hold up at least to present volume during the quarter, and at this level, makers would experience no difficulty in meeting demands.

Maleics—Some improvement in demand has been encountered, it was reported by a source last week. It was noted that most users were interested in adding to their stocks at the present time, and appeared to have little or no hesitancy about making their needs known. Prices were unchanged.

Petroleum Hydrocarbons—Volume of

Protective Coatings Shipments, Output: Nov.

	Factory shipments —Dollars— Nov.	Oct.	†Reported production —Gallons— Nov.	Oct.
Trades sales products: paint, varnish and lacquer	$59,684,000	$64,108,000	14,765	15,833
Industrial sales products, total	43,448,000	43,390,000	14,879	14,977
Paint and varnish	31,424,000	32,070,000	11,077	11,224
Lacquer	12,024,000	11,320,000	3,802	3,753
Totals	$103,132,000	$107,498,000	133,447	134,712

Total sales, January-November—$11,271,577,000.

† Detail does not add to total because some respondents reported only total production which was not allocated either to trade or industrial sales products.

For Late Market Developments, See Page 4

demand for most lines of petroleum-derived resins has climbed at a good rate. Some of these products have exceeded expectations in their acceptance by consumers and in the extent of new applications, it was reported in the industry during the past week. Further steady advances were in prospect, it was believed.

Terpenes—Demand was reported quite steady, although relatively small in volume. As a specialty item, these materials were not expected to show any startling rise in usage. Production has remained quite ample for needs.

Natural Resins

Copal Gum — Supplies at the sources were reported to be smaller than world demand required, producing a basically firm situation. The grades of Indonesian origin, Manilas, were in tight supply in this country, it was stated, producing a shift of interest toward other grades, notably Philippines. Prices at present levels were considered quite firm.

Dammar Gum—Buying pressure has been less intense for these grades than for Copals, it was stated. However, buyers abroad continued to show great interest, keeping the market in this country at a firm level.

Shellac—The market was described as steady but no longer quite so strong as formerly. There was a little chance of an easing off, according to some viewers' statements. At the present, prices seemed to have hit a top, and to be levelling off. The forthcoming report on the crop outlook due late in the month was expected to have an influence on the market, particularly if it indicates a very good production. Sellers in this country agreed that a decline in prices would be a good thing, as a continued rise of the proportions witnessed over recent months, could only hurt consuming demand on an overall basis. Consumption so far this year has been described as quite active, due to industrial requirements and from trade sales, as well.

Miscellaneous Materials

Casein—Total imports of casein into the United States during 1954 have been estimated at 57,000,000 pounds, as compared with 74,000,000 pounds the year before. 70 percent of this material was of Argentine origin. During 1954, Argentina exported 70,000,000 pounds, down from 79,000,000 pounds exported the year earlier. The decline in imports into this country during the past year was attributed by some in the trade to a drop in consumption, with substitutes a likely answer.

Prices edged up fractionally over the past week, due to a reaction of firmness at the source. A range of 22c. to 22½c. per pound, duty paid, was reached, showing a gain of ½c. over the listing carried earlier. The rise was met with some consumer resistance, as many buyers felt that quotations might fall back a bit in the near future.

Glue—The following figures compiled by the Bureau of the Census indicate production, shipments and stocks of bone and hide glue in pounds during October and November.

Production

	November	October
Hide, glue, total	4,252,001	4,222,378
Low grade	1,463,413	1,312,961
Medium grade	1,198,269	1,258,044
High grade	773,598	760,529
Extra high grade	816,721	890,844
Bone glue, total	5,233,584	4,729,421
Green	4,019,834	3,527,804
Extracted	1,213,750	1,201,617
Glue, total	9,485,585	8,951,799

Shipments

Hide glue, total	4,018,243	4,396,333
Low grade	1,638,666	1,855,716
Medium grade	1,113,218	1,132,280
High grade	671,385	881,666
Extra high grade	594,974	526,671
Bone glue, total	5,198,648	4,858,278
Green	3,896,867	3,565,959
Extracted	1,301,781	1,302,319
Glue, total	9,216,891	9,264,611

Stocks

Hide glue, total	27,539,360	27,305,602
Low grade	10,995,946	11,121,996
Medium grade	6,663,869	6,479,[illegible]
High grade	5,878,878	5,819,944
Extra high grade	4,057,667	3,869,430
Bone glue, total	11,910,043	11,875,107
Green	7,111,808	6,988,841
Extracted	4,798,235	4,886,266
Glue, total	39,449,403	39,180,709

Lacquer Materials

Dioctyl Adipate—The price reduction initiated the week previous by one producer was met by other sources in the past week, making the prevailing tankcar price 42½c. per pound. Price revisions for adipic acid were held responsible for the changes in the plasticizer. Sales during the first weeks of the year had been encouraging, reports from the industry indicated.

Dioctyl Phthalate—Prices were held steady by most of the markets' major producers. Reports of price shading persisted, but these proved hard to verify, and appeared to apply to a relatively small segment of the market. The costs of raw materials were such that no reductions in DOP were considered feasible. The market for all phthalates appeared to be moving toward greater stability.

Sebacates—Prices were found to be quite stable upon examination. Most producers

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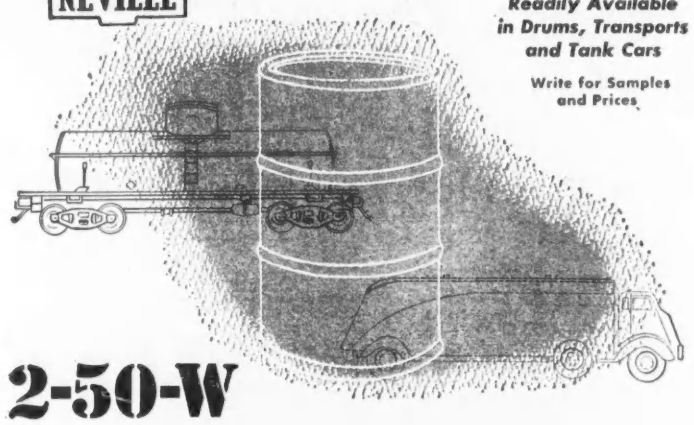

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- COAL TAR ORIGIN
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Typical Properties

Specific Gravity	.875
Distillation:	
Initial	158°C.
50%	170°C.
95%	185°C.
End Point (Dry)	191°C.
Flash Point, T.C.C.	105°F.
Color, Saybolt	+26
Acid Wash Color	8
Corrosion	Free from Corrosive Compounds
Kauri-Butanol Value	90
Aniline Point (Mixed)	24°C.

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were moving material at a good speed and were fairly well satisfied with the current market outlook.

Tricresyl Phosphate—Sales appeared a good bit more active to some observers in the industry. The entire group of phosphates enjoyed an active call, it was said. Prices were steady, and no indication of any changes in quotations was seen.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri. Jan. 7	Mon. Jan. 10	Tues. Jan. 11	Wed. Jan. 12	Thur. Jan. 13
Drums—					
K	...	...	...	$8.22	...
M	$8.20	...	$8.025	8.20	...
N	...	$8.20	8.20	...	$8.45
WG	8.30	...	8.23§	...	...
WW	8.45	...	...	8.38	...
Bags—					
G	...	7.89	...	...	...
M	...	...	...	7.97	7.97
N	...	...	...	8.30	...
WG	...	...	...	8.30	...

Tankcars (for week ended January 7)—M $8.20, 200*; N $8.33, 170*; WG $8.28, 220; WW $8.36, 300*

Sales, USDA	311*	...	450*	421*	160*

New York
(per 100 lbs., c.l., Friday)
B (through M $9.10, N $9.15, WG $9.20, WW $9.35

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.5519	...	.556§	...	...
Sales	26,000¶	...	22,000¶	...	...

New York, Friday, per gal. 7 lbs., tankcars, 62½c., l.c.l. 73c.

*Drums equivalent. †Tankcars. ¶Gallons. §Average price.

Sherwin-Williams Loses Father and Gains A Son

Paul J. McMullen, a technical representative servicing the printing ink and graphic arts manufacturing industries, has retired after thirty-three years of service with the pigment, color and chemical division of Sherwin-Williams Company, Cleveland, Ohio. Mr. McMullen's territory has been taken over by his son, Edward J. McMullen, who, until recently, had been associated with the chemical sales department of the Barrett Division of Allied Chemical & Dye Corporation, for a total of eight years, two in Detroit, Mich., and the balance in the metropolitan New York area.

Mica Strike Is Reported By Minerals Processing

One of the biggest strikes in the recent history of mica-mining has been made in the southwestern corner of North Carolina near Cowee township in acon county, which borders on Georgia and South Carolina, according to Minerals Processing Company, LaGrange, Ga., operators of the property. Frank Siersma, president of Minerals Processing, stated that outside experts have estimated the property to contain a large tonnage of good quality and valuable block mica.

NY PVLA Will Meet January 20

The New York Paint, Varnish and Lacquer Association has planned its annual luncheon meeting January 20 at the Biltmore hotel, New York. The speaker will be T. Coleman Andrews, Commissioner of Internal Revenue. Luncheon is scheduled for 12:30 p.m.

Dow Appoints Max Key Plastics Production Mgr.

The promotion of Max Key to manager of its plastics production department has been announced by Dow Chemical Company, Midland, Mich. In his new capacity, Mr. Key will replace Dr. William H. Schuette, who was recently made assistant to the general manager of Dow's Midland division. Mr. Key, who has been with the company since 1928, had been assistant production manager in charge of Midland plastics production.

After entering Dow service, Mr. Key was associated with the production of ethylene dichloride, Ciba dyes, acetanilide, brom indigo and various other products until 1941. He then became involved with Dow's work in the field of plastics, and was closely associated with the development and production of "Saran" polymers, including polyvinyl chloride.

He became a division superintendent in 1946 and was placed in charge of "Saran" production in 1951. In addition to his duties with the parent company, he is a director and vice-president of Asahi-Dow, Ltd., a Dow Chemical international associated company manufacturing "Saran" materials in Japan.

Norwegian Whaling Firms

—*Continued from page 3*

Germany and the United Kingdom at prices ranging from $194 to $197 per ton. The latest report states that the remaining 45,000 tons were sold to undisclosed buyers at a price of $203 per ton.

The world market price of whale oil was authoritatively reported recently to have ranged between $187 and $190 during September and October of 1954. From that point the price has risen steadily during the period of forward selling. As the chairman of the Norwegian Whaling Association has pointed out, early forward sales normally take the form of large quantity sales to important purchasers at minimum prices; later sales in smaller quantities command higher prices.

The Oslo press reported on December 14 that most of the non-Norwegian whaling companies had also reported substantial forward sales of whale oil from the 1954-55 whaling season. The British company which operates the "Balaena" expedition was reported to have sold its entire production at around $190 per ton, while the other company from the United Kingdom, which operates the "Southern Harvester" and the "Southern Venture," was said to have sold out at prices ranging between $190 and $203 per ton.

The South African company owning the "Abraham Larsen" expedition was also reported to have sold its entire anticipated production at prices similar to those obtained by the second British company. The press reported that only the Panamanian expedition and the Argentine land station, of the companies which normally sell their whale oil on the world market, had not yet reported forward sales. *Norsk Hvalfangst - Tidende* (The Norwegian Whaling Gazette) for November 1954 reported that the Japanese expeditions had sold forward 29,760 tons of their anticipated production:—19,840 tons to Germany at $187 per ton, 3,310 tons also to Germany at $188 and 6,610 tons to Sweden at about $190 per ton.

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Olive Oil Export Controls Are Lifted by Greek Gov't

All controls over the export of olive oil were removed last month by the government of Greece, according to information received by the Foreign Agricultural Service from the American Embassy, Athens. Decision No. 54419 established the following revised regulations with respect to issuance of export licenses for olive oil:—

1. All quantitative restrictions on exports of virgin, wholly refined or blended olive oil of less than one degree acidity, packed in steel drums or lithographed containers, are abolished. In each case an export approval must still be obtained from the Bank of Greece to insure payment in foreign exchange.

2. Export licenses will be issued by the Bank of Greece for 10,000 metric tons (about 11,000 short tons) or ordinary quality olive oil (acidity of more than one degree) or neutralized (but not refined) oil on a first-come-first-served basis.

Exports on consignment will be subject to the issuance of a special approval by the Bank of Greece on a case-to-case basis.

Another decision, No. 54418, provides that the export tax of five drachmas (16 US cents) per dollar of f.o.b. value previously assessed on ordinary quality olive oil shall be reduced to three drachmas (10 US cents) per dollar. The same decision provides that exports of refined, blended and virgin olive oil of less than one degree acidity, packed in steel drums or lithographed containers, shall hereafter be exempt from the payment of the earlier export tax of four drachmas (13 US cents) per dollar.

CCC to Contract for Added Processing of Cottonseed Oil

The oils and peanut division of the Department of Agriculture last week announced that the Commodity Credit Corporation contemplates contracting for the processing and packaging of additional quantities of refined cottonseed oil into cottonseed salad oil or cottonseed cooking oil, and into hydrogenated cottonseed oil (shortening type).

Tenders and offer forms will be issued from time to time by the agency in accordance with the terms and conditions of announcement OP-7/55 for the refined oil, and announcement OP-8/55 for the hydrogenated cottonseed oil.

Oils, Fats and Waxes

—*Continued from page 61*

was lower at 12¾c. to 13c. per pound, barrels, same basis.

Tallow — Consumer and export buying was inactive and the undertone of the market was not as firm as a week ago. Quotations were without change. Bleachable fancy was quoted at 8¾c. per pound, tankcars, delivered; extra, 8½c.; special, 8c.; No. 1, 7¾c. and edible, 11½c., nominal, same basis.

Cake and Meal

Cottonseed Meal — Demand continued slow. Supplies were not heavy but ample to take care of current demand. Meal forty-one percent was offered at $72 per ton sacked Memphis; $74 Alabama; $76 Georgia; $75 South Carolina mills for January shipment and thirty-six percent $5 per ton less.

The New Orleans office of the Commodity Credit Corporation last week sold 5,958 tons of cottonseed meal, 41 percent solvent type, for export at $64.94 per ton and 605 tons of 41 percent expeller type for export at $59.25 per ton.

Linseed Meal—Market remained steady. Trading was fairly active.

Minneapolis.—There was a steady demand for linseed meal for first quarter shipment but very little meal was available for balance of January delivery. Extracted linseed meal was quoted steady to 50c. a ton higher, depending upon whether it was for prompt shipment or later. An occasional car for immediate brought as high as $69 a ton, bulk, Minneapolis, though the going market price was around $68 to $68.50. Expeller meal, 32 percent protein, was quoted about $4 a ton higher than extracted. Meal made from flaxseed screenings, 22 percent protein, was quoted at $47 a ton, bulk, carlots, f.o.b., Minneapolis, with most of the tonnage sold up.

Linseed meal shipments from Minneapolis, in pounds, were as follows:—

	1954-55	1953-54
Past week	15,840,000	17,040,000
Since Sept. 1	285,120,000	283,810,000

Peanut Feed Meal—Stocks were nil and market nominal. Several peanut shellers have indicated that they will set aside enough cull peanuts during shelling operations to crush a few hundred tons later in the season, but most processors are not crushing until they can accumulate enough peanuts to run for a few days. It is not likely that production of any consequence will be available shortly.

Soybean Meal—Processors report that farmers still are not selling beans in any greater volume than a month ago. Supplies of meal are ample although not burdensome. Demand was fairly good, principally for nearby shipments although more buyers are becoming interested in future shipments at around current prices or a little less. Meal, forty-four percent was quoted at $68 January-February; $66 for March-September, Decatur and $70 for January; $69 for February-March basis Mississippi Valley points.

Waxes

Beeswax—Offers of bleachable grades were practically nil and the market was entirely nominal around 70c. per pound, for shipment. African crude also was scarce and firmer. Shipments were higher around 60c. per pound, New York for prompt. Refined grades were maintained at the recent advance of 3c. per pound.

Carnauba—Buying interest improved and moderate trading was reported for prompt needs at lower prices. Recent heavy arrivals created an easier tone and prices dropped. Crude declined 1c. to 4c. per pound and refined 2c. per pound, depending upon quality. Prices covered a wider range due to off grade material. No. 3 crude Ceara was quoted from 66c. to 69c. per pound and Parnahyba, 70c. to 71c. per pound, spot, according to quality and quantity. Refined Ceara also was lower, ranging from 70c. to 71c. per pound, depending upon quality. Yellow, however, was unchanged and steady.

Japan—Market was slightly easier and prices declined to 47c. to 48c. per pound, spot delivery as to quantity.

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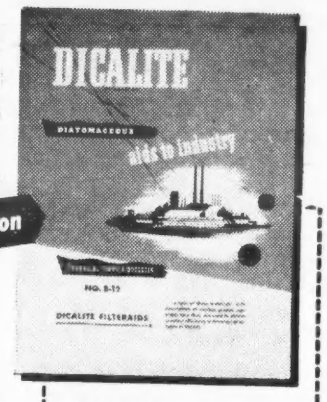

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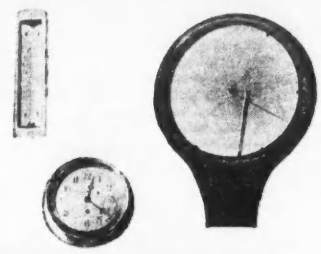

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$6,000,000 LIQUIDATION

CHEMICAL PLANT IN BATON ROUGE, LA.

Installed in 1953—Operated Less Than 30 Days

"WIDEST VARIETY OF QUALITY EQUIPMENT EVER OFFERED"

KETTLES – REACTORS EVAPORATORS

1—Leader Iron Wks. 1800 gal. 316 SS jacketed, agitated Reactor 25# int. pressure 75# jacket pressure.

1—Leader Iron Wks. 1000 gal. 316 SS jacketed, agitated Reactor 6'x56", 75# jacket pressure, 25# int. pressure.

6—Pfaudler 1000 gal. glass lined jacketed, agitated Reactors 75# int. pressure 90# jacket pressure, equipped with Hastelloy "C" turbine agitator and baffles.

1—750 gal. 316 SS jacketed, agitated Kettle.

1—300 gal. 316 SS clad jacketed Kettle 90# int. pressure.

3—Evaporator Bodies 4'x13', 316 SS clad with 109—3" ODx6', 316 SS tubes, 500 sq. ft. per body with condenser, piping, etc.

CONVEYORS

4—Link Belt Rubber Belt Conveyors fully enclosed 12"x30', 12"x34', 12"x55', 12"x77' long

2—Link Belt Twin Screw Conveyors 316 SS 18"x10', 18"x72'.

1—Link Belt Twin Screw Conveyor, steel 11"x14', 11"x10'.

1—Link Belt Screw Conveyor 6"x12', 304 SS

1—Link Belt 304 SS Bucket Elevator 40'6" c.c.

DRYERS

2—Western Precipitation 304 SS jacketed heated "Holoflite" Screw Conveyor Dryers 50 ft.

1—Rietz Mfg. Co. 304 SS jacketed, heated Screw Conveyor Dryer 50 ft.

2—Buflovak 6' dia. x 5'6" Monel, single drum Flakers or Dryers.

1—Allis Chalmers 5'6" dia. x 25' long Rotary Dryer ½" shell.

HEAT EXCHANGERS

3—Alberger 600 sq. ft. Karbate, 40± shell, 40± tubes.
1—Struthers-Wells 461 sq. ft. Karbate, 40± shell, 40± tubes.
1—Struthers-Wells 431 sq. ft. Karbate, 60± shell, 60± tubes.
1—400 sq. ft., steel.
3—Pfaudler 390 sq. ft., 316 SS, 75± shell, 75± tubes.
2—Struthers-Wells 370 sq. ft. Karbate, 52± shell, 60± tubes.
1—Struthers-Wells 370 sq. ft. Karbate, 40± shell, 40± tubes.
1—Struthers-Wells 330 sq. ft. Karbate, 60± shell, 60± tubes.
1—Alberger 255 sq. ft. Karbate, 40± shell, 40± tubes.
1—Alberger 159 sq. ft. Karbate, 40± shell, 40± tubes.
2—Nickel 93.8 sq. ft. double pipe, 300± shell, 100± tubes.
2—Alberger 88 sq. ft. Karbate, 40± shell, 40± tubes.
1—Struthers-Wells 83 sq. ft. Karbate, 60± shell, 60± tubes.
7—Alberger 70 sq. ft. Karbate, 40± shell, 40± tubes.
1—Struthers-Wells 31 sq. ft. steel, 75± shell, 75± tubes.
4—Alberger 16.4 sq. ft. Karbate, 40± shell, 40± tubes.
1—National Carbon 14 sq. ft. Karbate, 40± shell, 40± tubes.

7—Sharples C-27 Super-D-Hydrators, 316 SS, vapor proof.

1—Ingersoll-Rand Jet Refrigeration unit, 208 ton, at 60 deg. F.

1—Ingersoll-Rand Jet Refrigeration unit, 136 ton at 45 deg. F.

1—Kemp Inert Gas Producer 10,000 SCFH, Model 10-MID complete with Model JC-SE2 dual tower absorptive dryer and Fuller Inert Gas Compressor, Type C-40 with 25 HP motor.

2—Illinois Water Neutralizers 5'x9', 316 SS.

1—Foster Wheeler 2.7 million BTU Dowtherm Unit, 150# Design Pressure, 866 sq. ft. heating surface, gas heated.

2—Patterson 6' Conical Blenders, 69 cu. ft. operating capacity with 15 HP AC gearhead motors.

BLOWERS

3—Sturtevant spark proof Blowers 9500, 11,000 and 17,500 cfm, motor driven

3—American Blowers 7900 and 12,000 cfm motor driven

1—Buffalo-Forge 640 cfm 7" static pressure, motor driven
(all motors explosion proof)

PUMPS

13—Karbate Centrifugal, motor driven
2—40 gpm 120' head
2—50 gpm 24' head
9—60 gpm 60' head

8—Duriron Co. Chlorimet—3 Centrifugal, motor driven
2—45 gpm 84' head
2—60 gpm 180' head
4—60 gpm 240' head

7—Duriron Co. Durimet Centrifugal motor driven
1—20 gpm 22' head
3—60 gpm 180' head
3—150 gpm 52' head

13—Duriron Co. 316 SS Centrifugal, motor driven
4—60 gpm 47' head
4—70 gpm 80' head
1—80 gpm 125' head
3—165 gpm 145' head
1—175 gpm 160' head

7—Lawrence 316 SS Centrifugal motor driven
2—10 gpm 27' head
1—60 gpm 208' head
1—70 gpm 157' head
2—100 gpm 25' head
1—350 gpm 123' head

2—Gould 304 SS Centrifugal, motor driven 98 gpm 70' head

2—LaBour steel Centrifugal, motor driven
1—50 gpm 85' head
1—70 gpm 90' head

7—Ingersoll-Rand steel Centrifugal, motor driven
2—650 gpm 116' head
1—1000 gpm 93' head
2—1000 gpm 100' head
2—1000 gpm 110' head

1—Deane steel Centrifugal, motor driven
250 gpm 70' head
(all motors explosion proof)

TANKS

4—Pfaudler 5000 gal. glass lined 9' dia. x 9'6" long, 35# int. pressure.

2—Pfaudler 2300 gal. glass lined 78" dia. x 96", 50# int. pressure.

5—Pfaudler 1200 gal. glass lined 66" dia. x 72" high, 50# int. pressure.

1—Pfaudler 500 gal. glass lined 4' dia. x 5', 40# int. pressure.

1—316 SS, 13,000 gal. Hopper 18' dia. x 4'4" on the straight side with a 9' cone and 5 HP Lightnin agitator.

1—316 SS, 7500 gal. Hopper 12' x 6' with 5'6" cone.

2—316 SS Horizontal 5,000 gal. 6'6" dia. x 20' long, 25# int. pressure.

1—Steel 30' dia. x 33'2" high, 175,000 gal. cap.

3—Steel Horizontal 24,000 gal. 10' dia. x 40' long, 50# int. pressure.

1—Steel Horizontal 8' dia. x 30' long, 10,000 gal.

3—Steel 8' dia. x 27'3" long, 9000 gal. cap., 25# int. pressure.

1—Steel Horizontal 5' dia. x 22' long, 3250 gal., 125# int. pressure.

Stainless Steel and Karbate piping, Stainless Steel and Karbate Valves, instruments, steel buildings, etc.. Details on request. Your inspection invited.

IN STOCK AND OTHER LOCATIONS

1—Baker Perkins 100 gal. S.S. jacketed, double arm Vacuum Mixer, 75 HP.

1—Baker Perkins 50 gal. double arm, jacketed, Vacum Mixer, 50 HP.

2—Baker Perkins 100, 50 gal. double arm, jacketed Mixers.

7—Sprout Waldron S.S. jacketed, Horizontal Powder Mixers, 67, 27 and 10 cu. ft.

1—Struthers Wells 6'x9' S.S. Rotating jacketed Mixer.

2—Pfaudler 500 gal. glass lined, jacketed, agitated Reactors, Unused.

2—Blaw Knox 800 gal. 347 S.S. agitated Reactors, ASME, U-69, 100 PSI.

1—Struthers Wells 750 gal. S.S. jacketed, agitated Reactor.

1—Buflovak 800 gal., 347 stainless clad, jacketed Reactor.

1—Vertical 304 S.S. Storage Tank, 25,000 gal. NEW.

4—Heat Exchangers, 316 S.S., 200 and 100 sq. ft. NEW.

3—Unused Karbate Heat Exchangers, 188 sq. ft.

1—Sharples P.N. 14 Super-D-Canter 316 S.S.

2—Bird 18"x28" solid bowl Continuous Centrifuges, 310 stainless.

2—Sharples C-20, C-27 Super-D-Hydrators, 316 S.S.

3—Sharples P-16 Monel and S.S. Pressurtite Super Centrifuges.

1—Bird 40" Suspended Centrifugal 347 stainless, perforated basket, XP motor.

1—Bird 40" Suspended Centrifugal, rubber covered, imperforate basket.

1—AT&M 36" center slung, rubber covered Centrifugal, perforated basket.

1—Sparkler #33-D-9 Filter, 316 S.S.

1—Niagara #140-36 Filter 140 sq. ft., 316 S.S.

1—Niagara #110-20 Filter with 12 S.S. leaves.

1—Niagara type Horizontal Filter with 15-48" dia. S.S. leaves, 375 sq. ft.

1—Oliver 8'x6' Rotary Vacuum S.S. Filter, Unused.

1—Feinc 5'x4' S.S. Rotary String Filter.

1—Eimco 8'x8' Rotary Vacuum Filter.

2—#3 Sweetland S.S. Filters with 12-25" dia. leaves, 75 sq. ft.

4—Shriver 36"x36", 30"x30" c.i. Filter Presses P&F, washing.

1—Hersey 4'x30' S.S. Hot Air Rotary Dryer.

3—Struthers Wells 5'x15' nickel Rotary Vac Dryers.

1—Devine 2'x4' Vacuum Drum Dryer, 316 S.S.

1—Stokes #138H Vacuum Shelf Dryer having 10-44"x40" shelves.

1—Devine double door Vacuum Shelf Dryer having 17-59"x78" shelves.

2—Stokes Rotary Vacuum Dryers 3'x15' and 30"x8'.

3—Link Belt Roto-Louvre Dryers 7'5"x20' S.S., 6'4"x24', 3'10"x16', 2'7"x10' steel.

1—13,000 gal. Horizontal Propane Pressure Tank, ASME, 225# W.P.

1—Eureka #3 Porcelain Jar Mill 14.7 gals.

4—Mikro Pulverizers #2TH, #1SH, #1SI and Bantam.

2—Hardinge 6'x22", 4½'x16" Conical steel lined Mills.

1—Patterson 6'x8' porcelain (Berylite) lined Mill, 50 HP. NEW.

1—Patterson 4'x4' porcelain lined, jacketed Pebble Mill.

3—Orville Simpson Rotex Sifters 40"x84", 20"x81", 20"x48" double and triple deck.

3—Nash Vacuum Pumps, #H8, #H7, #H6.

1—National 10"x20" two roll Mill with 25 HP motor.

4—Stokes DDS2, DD2, D4 and D3 Rotary Tablet Machines.

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IMMEDIATE SHIPMENT FROM STOCK

STAINLESS STEEL TANKS

1—2600 gal. T347 Vacuum Receiver with 15# jkt.

1—10500 gal Horiz. T304—NEW.

1—7150 gal. Vert. T304—Used.

1—5700 gal. Horiz. T304—NEW.

1—4500 gal. Vert. T304—NEW.

1—3000 gal. Vert. T304—NEW.

1—2000 gal. Vert. T304—NEW.

40—From 15 gal. to 1000 gal.

16—Stainless Steel Stock Pots—30 gal., 16 gal., 14 gal.

1—T316 Bin or Hopper, 6'9" x 6'9" x 10' O.A.H., 275 cu. ft.

JUST PURCHASED

1—Niagara St. St. Pressure Filter, 110 sq. ft. with St. St. closed Slurry Feeder.

1—500 gal. T316 St. St. Evaporator with 145 sq. ft. hairpin coil.

4—Lightnin Side Ent. Agitators, St.St.—7½, 10 & 25 HP.

400' T316 Seamless Stainless Steel Pipe, 2½", Unused.

5—Shriver 30" C.I. Filter Presses, open dely., 17 ch. to 50 ch.

1—Stainless Steel Powder Mixer, 425 cu. ft.

1—Pneu-Vac. 13" St. St. Dust Collector.

5—Pebble Mills—72" x 96", 60" x 72", 31" x 31".

1—Rotex Screen 5' x 7', single deck.

2—W & P 100 gal. Sigma Blade Jacketed Mixers.

2—Contin. Ball Mills, Steel, 6' x 16' & 3' x 6'.

1—8800 gal. Horiz. Welded Steel Pressure or Vacuum Cooker, Agit., ASME.

1—St. St. Rotary Spray Column, 30" x 28' H.

4—Steel Reboilers, 785 sq. ft.

2—T316 St. St. Shell & Tube Heat Exchangers, 785 sq. ft. ea.

2—St. St. Tube Bundles, 250 sq. ft.

5—Steel Shell & Tube Condensers, 1200 sq. ft. unused.

2—Charlotte #50 Colloid Mills.

1—Tolhurst Centerslung Centrifugal 36" bronze basket, lead covered curb.

1—Sharples 16P Pressurtite Centrifuge, St. St.

1—Oliver Precoat Rubber Lined Vacuum Filter 5'3" x 3', closed pressure housing.

2—Blaw-Knox ½ gal. Stainless Steel Autoclaves, 2000# Pr., agit.

PERRY EQUIPMENT CORP.
1407 N. SIXTH STREET · PHILADELPHIA 22, PA.

EQUIPONOMICS

BIRD CONT. CENTRIFUGE — 36"x50" S.S. 304, COMPLETE.

NICKEL CLAD KETTLE, ASME Jack. Agit. 750 Gal.

COLLOID MILLS—All S.S. Construction, 3", 6", & 10" with Motors.
CONDENSERS—S.S., Karbate & Glass, 26 sq ft. to 1,000 sq. ft. surface.
FILTER PRESSES—18"x18" rubber covered, 16 P&F; 30"x30", 30 P&F 1"; 36"x36", 80 P&F 1½"; 42"x42", 38 P&F.
MILLS—3 ROLL—KENT, 9"x24", 14"x32", 16"x40" with XP Motors.
MIXERS—D.A. SIGMA, Jktd. STEEL AND S.S. 2½, 50, 60, 200, & 3,500 Gallon.
MIXERS, DRY POWDER—600, 1,000 lb.
PROCTOR & SCHWARTZ 20"x30" Fin Drum Dryer Preformer, Complete.
SPARKLER FILTER—Model 33-D-17, steel, jktd., mtr. & pump, portable; also model 18-S-12.
VULCANIZER—Biggs, 4'x12', new, ASME Code.

Fabricators of New Stainless Steel Alloy Chemical Equipment ASME Code.

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PROCESS PLANTS SERVICE, INC.
333 RAHWAY AVE. ELIZABETH, N. J.
Elizabeth 4-2722

SELECTED OFFERINGS

Mixers, port. 1, 2, 3, 5 hp.
Weathermeter, Atlas Elec. Devices.
Filter: Oliver 1'x2½' continuous.
Vacuum Still: 500 gal. st. steel, jacketed.
Kettle: 50 gal. st. steel, agitated—new.
Pulverizers: Micro Williams, Jeffrey.
Dryer: Devine 2x4' vacuum drum, st. st.
Centrifugal: Tolhurst 32" rubber covered.
Pebble Mill: Hardinge 5'x36" continuous.
Feeders: Syntron Vibrator model F-22.
Clarifiers: De Laval 84-51 and 600.
Seperator: Sharples model 16B, st. steel.

Large stock of Cappers, Fillers, Filters, Steam Jacketed Kettles and Tanks, Labelers, Colloid, Hammer, Roller and Pebble Mills, Powder, Liquid and Paste Mixers, Sifters.

Write us or phone (Seeley 8-1431) if you need equipment or have any for sale.

LOEB EQUIPMENT SUPPLY CO.
814 W. Superior St. Chicago 22, Ill.

STEIN EQUIP'T *OFFERS*

DRYERS AND KILNS
Stokes 2'x6' Rotary Vac. Dryer.
Devine #12 Vac. Shelf Dryer, 40"x42".
Proctor & Schwartz Soap Chip Dryer.
2—Allbr. Nell 4x9 Atmos Drum Dryers.
1—Buffalo Vac. Drum Dryer, 24"x20".

CENTRIFUGALS AND CENTRIFUGES
4—Tolhurst 40" Suspended Type.
8—Centrifugals, 12", 20", 26", 30", 40" & 48" Steel, Copper, Stainless & Rubber.
6—Sharples No. 5A Stainless & #6.
2—De Laval Multi Clarifiers 300 & 301.

FILTERS
1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
Gen. Amer. 2'x1' Rotary Vac. Filter.
Sperry and Shriver 6" to 36" iron & wood.
Sweetland & Oliver Filters.

KETTLES AND TANKS
Dopp 350 gal. Agit. Jack Cl Vac Kettle.
2—Impreg. Units 30" & 36" dia. complete.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
1—250 gal. Lead lined Kettle.
5—American Tool 300 gal. Churns.
1—250 gal. Jacketed Copper Kettle.
Stainless, alum., copper. Glass lined, lead lined and steel kettles and tanks.
Copper & Stainless Varnish Kettles.

PULVERIZERS AND MILLS
2—Mikro Pulverizers #2TH & 4TH.
Patterson Pebble Mills, 6'x8', 6'x5', 30"x42".
Abbe 30"x30" & 30"x36". Also Jar Mills.
#1 Raymond Autom. Pulverizer, 20 HP.
1—#00 Raymond Mill, 30 HP complete.
2—#0000 Raymond Mills.
Williams #3 & 2XX Hammer Mills.
Ball & Jewell Rotary Cutters Lab & up.
Jeffrey 18"x18" single Roll Crusher.
Buchanan 5"x12" Jaw Crusher.
2—Robinson 18" & 22" BB Attrition Mills.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 9" x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
Houchin 18"x30" 4 Roll Granite Stone Mills.
2—U.S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS
Baker Perkins double arm Mixers, 100, 50 & 9 gal. Also single arm Mixers.
Read 50 & 100 gal. double arm mixers.
Read 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x3' Vibratory 2 deck Screen.
10—Dry Powder Mixers, 50 to 3,000#.
3—Day 8, 15 & 40 gal. Pony Mixers.
1—Ross Type 150 gal. change Can Mixer.
15—Portable Elec. Mixers, ¼ to 3 HP.
6—Lead and Paste Mixers to 150 gals.

MISC. AND SPECIALS
Kux 2½" dia. Tablet Machine, motor dr.
Anderson & French Oil Expellers.
Tablet Machines Single & Rotary Types.
Kane 2 H.P. Gas Boilers, 200# pressure.
1—Knapp Model S Can Labeler M.D.
3—Stokes and Day Powder Fillers.
Samco Jr. Vac. liquid Filling Machine.
Filling Machines & Labelers.
Pneumatic Scale Automatic Capper.
1—Howe Mogul barrel and bag packer.
2—Revolving Pans, 30" & 36" dia.
2—Worth 12"x12"x12" Vac. Pumps.
8—Devine, Buffalo, Stokes Vac. Pumps.
Shepherd Elevator 18' lift, 42"x54" platform.
Soap Machinery for Toilet, Laundry, etc.
Centrif., Rotary, Duplex & Triplex Pumps.

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EXTRA VALUE FOR YOUR EQUIPMENT DOLLAR IN N.Y.'s LARGEST STOCK

SEND FOR NEW 1955 BULLETIN!

★ Stainless Vacuum Reactors, Jktd. Agitated; 50 to 1700 gal.
★ Witte Stainless SIFTERS; 21"x67"; 31"x77"; 21"x101"
★ A. O. Smith S.S. lined Pressure Tanks; ASME; 10'x30'; 17,000 Gal.
★ Sprout Waldron S. S. Continuous Mixer; 385 gal.; 28" x 12'

EVAPORATORS — KETTLES VACUUM PANS

SPECIAL:—Zaremba Double Effect INCONEL Evaporator with calandria; 439 sq. ft. of surface; with accessories; print available
3274—Swenson Quadruple Effect Long Tube Evaporator; film type
3475—Zaremba Single Cast Iron Evaporator; 130 sq. ft. Copper tubes
E12-101—Buflovak Stainless Forced circulation Evaporator with Condenser, calandria, jet ejector etc. 100 sq. ft. Print available
2695—Devine Single Cast Iron Calandria type; 28"x8'
3515—Acme 1600 Gal. Copper 6'x10', coils, barometric condenser, etc.
3557—Croll Reynolds Vac. Evaporator; 30"x5' MONEL with accessories
3670—Copper Vac. Evaporator; 66"x73" coils, heat exchanger
487—Zahm & Nagel Continuous Evaporator; 2500 lbs. per hour
E12-161—Buflovak Double Effect Evap. C.I. with copper steam chest, Baremetric Condenser etc. 75 and 100 sq. ft. each
3497 S7—Jacketed Crystallizing Evaporators; 24"x21"x 12' long
E 12-200—Buffalo Monel Evaporator 290 sq. ft.
D6-311—Buflovak 300 Gal. Crystallizer; vacuum type; built in coils; 6' dia. x 18" deep
D13-180—Bowen Stainless Lab. Spray Dryer; 42"x42" complete
3340—Brand NEW Stainless Steel Kettles good for 101# always in New York stock; sizes up to 500 gal. immediately
3496—Stainless Clad 30 gal. steam jacketed Kettles; 40#
3429 K9—Stainless 475 Gal. Kettle; Jktd. Agtd.; 4'x5'
K7-151—Stainless 175 Gal. Cooling Kettle Jktd. 36"x 46"; 2 way Agitator
3662 D1—Creamery Pkg. Stainless Pasteurizing Kettle; 40"x29"
4000 K13-14—Two Glass Lined 100 Gal. Jacketed Kettles; 31" x 31"
R4-302—Pfaudler Glass Lined 50 Gal. Jktd. Agtd. Kettle; 24"x30"
R4 501—Pfaudler 500 Gal. Glass Lined Vacuum Pan; Type LL; Jktd; Agtd
3444—Pfaudler Glass Lined Jktd. 350 Gal. Kettle 54"x 36"; agitated
3750 FRF—Pfaudler 1000 Gal. Glass Lined Reactor Type XL 65" x 65" with 5 HP motor
3597—Special Lot of Copper Jacketed Kettles from 10 gal. to 250 gal.
3673 L5—250 Gal. Copper Jacketed Agitated (scraper type) Kettle
K3-150—Dopp 150 Gal. Cast Iron Jacketed Kettle; 47½"x29½"
3434—Dopp 650 Gal. Cast Iron Jacketed and Agitated Kettles
3939—New Buflovak 500 Gal. Steel Jktd. & Agtd. Kettle; 4'x5'x2"
3218—5200 Gal. Steel Jacketed Closed Top Kettle; 9'6"x9'10½"
3247—Aluminum Steam Jacketed Kettles from 25 gal. to 250 gal.
9908 H3—Aluminum Vacuum Pan 250 Gal. 40" x 60"; Jacketed
3934 C8—Bethlehem Sulphonator Pot; 1400 Gal. Steam Coils in Jacket
R4 505—Devine 1500 Gal. Vertical Nitrating Kettle; 6'x8'6"; Jktd.
R4 507—Dowtherm Jktd. Stainless Agtd. Kettle, 2500 Gal. with accessories

REACTORS

3424 K4—Stainless Reactor; with coils agitated; 24"x48"
3824S-12—Pfaudler Glass Lined Jacketed Agitated Reactor; 12"x12"
3824S-14—Pfaudler Glass Lined Jacketed Agitated Reactor; 36"x36"
3705 L7—Stainless Steel Autoclave; 5"x12"
3673 L9—Pfaudler Glass Lined Jktd. Reactor; 16"x28"
R4-302—Pfaudler Glass Lined 50 Gal. Jktd.; Agtd. Kettle; 24"x30"
R4-303—Pfaudler Glass Lined 50 Gal. Jktd.; Agtd. Reactor
3670—Steel Reactor 4'x4' heated with copper coil unit
3944 B2—Steel Jacketed and Agitated Reactor; 315 Gal.; 44"x40"
3424 K9—Stainless 475 Gal. Reactor 4'x5' Jacketed and Agitated
3168—Stainless 500 Gal. Jacketed Reactor; 6' dia. x 30" straight side
3168 D7—Doppley Jacketed Reactor; 40"x8' high
3390—Buffalo 500 Gal. New Jktd. Agtd. Reactor; 4'x5'2" motorized
3273—Pfaudler Glass Lined Jacketed, Agitated Reactor; 47"x67"
3434—Dopp 650 Gal. Cast Iron Full Jktd. Agitated Reactor; 80"x67"
3934 C4—Steel Reactor; 950 Gal. 5'x5'6"; agitated; coil heated
R4 503—Lead Lined Reactor; 1000 Gal. 4'x6'; Jktd. ASME 50 PSI
3113 E2—Copper Vacuum Pan; coil heated; 2000 Gal. 7' diameter
R4-227—Cast Iron 1000 Gal. Nitre Pot; 6'x6'; agitated 5 HP motor
3598—Steel 2000 Gal. Jktd. Agt. Reactor; 8'x7'
3799V-1—Lancaster Stainless Lined Rotary Reactor; Jktd.; 50"x12'4"
3870M-2—Majonnier Stainless Vacuum Pan 3'x10'
R4-311—Aluminum Pressure Vessel 800 Gal. 51"x98" Jacketed

TRADE or Sell Your SURPLUS EQUIPMENT NOW!

AUTOCLAVES (includes Vulcanizers Sterilizers, Retorts, etc.)

R4-304—Cast Steel Autoclave 250 gal; 350 PSI; 4'x5'; Jktd. Agitated
3259G5—Steel Hor. Autoclaves with tracks; 66" dia. x 14'7" long
V4-304—Adamson Autoclave; 6'x19"; with inner tracks 84"x66"
V4-310—Adamson horizontal welded steel Vulcanizer
V4-311—Jackson & Church Steel Vulcanizer 6'6"x65" with tracks and quick opening door
V4-262—Biggs Vulcanizer; ASME code; 6'x14'; quick open door
R4-226—Hi Pressure Steel Autoclave; 360 PSI; 6'x21'; Jktd. Agtd.
V4260—Steel Autoclave; 5'x26'; tracks, pump, receiver
R4-301—Globe Rotary Kier; 14' Diameter with 15 HP motor
R4-251—Struthers Wells Jacketed Steel Rotary Autoclave or Digester 100 PSI-TSME; 9'6"x12'; with 7½ HP motor
R4-506—McNeil Digester; Vertical 6'7"x11'5"; Jktd. 185 PSI; Agit. 40 HP
R4-500—Steel Pressure Tank; 7000 gal.; 8' x 19'6"; welded 150 PSI ASME
V4-500—Laboratory Vulcanizer horizontal; 36" x 51"; 150 PSI; simplex door
V4-400—Smith Hor. Steel Vulcanizer 5' x 16'; 100 PSI with tracks
V4-401—Horizontal Vulcanizer 6' x 10'; 125 PSI-ASME; Simplex Door
V4-402—Horizontal Vulcanizer; 6' x 42' with quick opening door
V4-403—Horizontal Vulcanizer; 5' x 21' good for 125 PSI
3899/L2—American Sterilizer; 42" x 60"; quick open-ing door
2917/P2—American Sterilizer No. 00; 30" x 42" x 84"

HAMMERMILLS, CRUSHERS, GRINDERS, PULVERIZERS

3655 W2—Gruendler Supermaster No. 1 Hammer Mill; 15 HP
M10 D200—Mikro No. 2 SP Pulverizer; 10 HP with 2 HP Pre Crusher
3331—Mikro No. 3 TH screw feed with Pre-Breaker
3324 E2—Mikro No. 4 F Pulverizer; 15"x24"
McA1501—Mikro No. 2 Type SCB chamber 7"x11½"; arr. for motor drive
3868N-1—Fitzpatrick Model D Stainless Comminutator; cooling jacket
M10-202—Fitzpatrick Model K Comminutator with 20 HP motor
M10 A300—Jeffrey Pulverizer Type A 30" x 24" with 40 HP motor
3705 L3—Fitzpatrick Homoloid Pulverizer; motorized
3293 N1—Raymond Imp Mill 9"x13" with accessories
2383—Raymond Model No. 00 Aut. Pulverizer with accessories
1001 N1—Williams Model NF Hammer Mill; 25"x14"; requires 60 HP
3429 A7—Williams Hammer Mill 36"x18"; requires 60 HP
3429 A-5-6—Williams Hammer Mill No. 4 18"x48" requires 60 HP
3769—Jay Bee Model 2U Hammer Mill; 19¾"x14" requires 20 HP
3429 A5—Gruendler Pulverizer 12"x48" requires 150 HP motor
3192 A1—Gruendler Pulverizer No. 3 chamber 8"x16"
3429 A9—Gump Bar Nun No. 40 Hammer Mill; 12"x40"; requires 60 HP
3545—Jay Bee Model A4 chamber 12"x18" with 25 HP motor
M10-183—Jeffrey Swing Hammer Mill Type E 42"x36" for 100 HP motor
M10-91—Stedman Type BX 20"x12" Swing Hammer Mill; 40 HP motor
M10-190—Riley Duplex Attritor requires 250 HP motor
3277—Robinson 26" Double Runner Attrition Mill; two 10 HP motors
3529W—Bauer 24" Double Runner Attrition Mill with two 20 HP motors
3120—American Ring Roll Crusher; 30"x33" throat; 50 HP
3315 E2—Williams Ring Roll Mill; ring 3"x10"; with 3 rollers 4" dia. arranged for motor drive
3853-S—Raymond No. 50 Stainless Imp Mill with 50 HP motor
MWK-1—Sprout Waldron Roller Mill 2 pair high; 9"x 18"; 10 HP
JR-1—Allis Chalmers Flaking Mill 20"x24" with 25 HP motor
3625 D2—Munson Rotary Cutter Size "0" 3½"x11" feed opening
RH-1—Ball and Jewell Rotary Cutter No. 1 with 15 H.P. motor

SIFTERS — SCREENS

S5 260—Selectro Stainless Steel Screen; double deck; 24" x 84"; 5 HP
S5 261—Selectro Stainless Steel Screen; double deck; 28" x 72"; 3 HP
3835—Selectro Stainless Vibrating Screen Sifter, 18"x60"
3989 K2—Orville Simpson Rotex Sifter No. 21; 30" x 60"; 1 HP
S5-252—Patterson GyroCentric No. 300; 20"x48" S/S; 3 HP motor
3515—Southway S/S Shaker Screen; 40"x99" with 1 HP motor
1000S-7—Sprout Waldron Gyratory Screen 40"x72" with 7½ HP motor
3484 A33—Sutton Steele Separator Model B 100 with 5 HP motor
3903—Robinson Unique Gyro Sifter; 20" x 84" Double Deck
S5-240—Selectro 18"x60" Steel 2 deck Screen V drive
3853S—11—Robinson Vibrating Screen 40"x60"; S.S. contacts
S5-244—Tyler Hummer Screen; 3'x5' with converter, exciter and motor
4036 A1—Rotex Model #42I Sifter 60" x 84" with 2 HP motor
4036 A2—Rotex Model #82; 40" x 120" Double Deck with 3 HP motor
4022 P2—Robinson Unique Gyro Sifter; stainless lined; 20" x 69½"; ½ HP motor

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5—Stainless Steel 650 gal. Jacketed Closed Kettles with agitators.

1—Pfaudler 150 gal. Stainless Steel Jacketed Tilting type Kettle, with agitator.

1—Walter 60 gal. Stainless Steel Jacketed Vacuum Kettle, ASME.

2—Groen 40 gal. Stainless Steel Kettles with agitator and drive.

1—Shriver 36"x36" Cast Iron, 4 eye, closed delivery, washing type Filter Press, 60 chambers, hydraulic closure.

1—Sperry 42"x42" Aluminum, closed delivery Filter Press, 35 Chambers—NEW.

1—Shriver 42"x42" Cast Iron, open delivery Filter Press, 60 chambers.

1—Sparkler Model 33D9 Filter, Type 316 Stainless Steel.

2—Feinc, Type 316 Stainless Steel String Filters, 6'6"x6'—NEW.

1—Read 10 gal. Stainless Steel Double Arm Sigma Blade, Jacketed Mixer, Vacuum Cover, ASME.

1—Lancaster Stainless Steel Muller Mixer, Model LW.

5—Baker Perkins Cast Iron Double Arm Sigma Blade Mixers, 100 gal.

1—Robinson 17.5 cu. ft. Jacketed Steel Ribbon Powder Mixer.

1—International 50 cu. ft. Stainless Steel Ribbon Powder Mixer with drive.

1—Humgsford 3' Stainless Steel Laboratory Conical Blender.

1—Struther Wells 24"x30' Nickel Fractionating Tower WP 60 PSI.

3—Mikro #1 SH, #3TH and 3W Pulverizers.

1—Mikro #2TH Stainless Steel Pulverizer.

1—AT&M 48" Suspended type Stainless Steel Centrifuge, Imperforated Basket.

1—Fletcher 40" Stainless Steel Suspended Type Centrifuge, perforated basket.

2—Buflovak Vacuum Shelf Dryers, Single Door, 20 shelves.

2—Devine Vacuum Shelf Dryers, Single Door, 5 and 10 shelves.

4—Pfaudler 10,000 gal. Horizontal Glass-lined Tanks, 10'6" dia. x 14' Str. side. NEW.

4—Alco 500 sq. ft. Stainless Steel Heat Exchangers.

1—Struthers Wells 480 sq. ft. Hastalloy "B" Heat Exchanger—NEW.

1—Lummus 360 sq. ft. Stainless Steel Type 316 Heat Exchanger.

1—Pfaudler 7 sq. ft. Glass-lined Pipe Condenser.

1—Pfaudler 26 sq. ft. Glass-lined Jacketed Thimble Type Condenser—NEW.

1—Stainless Steel 3'x12' Rotary Vacuum Dryer.

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2—Hersey 5'x23', 6'x22' Rotary Dryers.

3—Simpson #0 and #1 Mix Mullers.

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1—Colton #5½ T Tablet Press.
1—Day 900# Jacketed Ribbon Mixer.
3—#4 Colton Tube Fillers—1-S/S.
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1—New Stokes 4 Shelf Vacuum Dryer.
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1—Devine #0—3 Shelf Vac Dryer.
1—New 8 Compartment Incubator.
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2—Hardinge Conical Ball Mills, 6'x22".
1—Stainless Tank #430 Chrome, vert. 7'x10' deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
1—Day Mixer, steam jacketed, 50 gal. Sigma Blade.
1—Robbins Vibrex 3x6 Vibrating Screen, single deck.
1—Copper Evaporator, steam jacketed, 9'1"x3'9".
60—New Pressure Cookers, 18"x13" & 24"x28".
150—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm.
1—Jeffrey Vibrating Conveyor 15' lg. 12" wide.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—4x8 Sturtevant Jaw Crusher.
1—Ribbon type Mixer, steam jacketed.
2—Ransome Rotating Drum Mixers 9' dia. x 11'6".
1—Abbe Ball Mill, 140 gal., Buhrstone lined.
#316 Stainless Steel Tanks, new 100, 200 & 360 gal.
2—Nash Air Compressors, type AL-623.
1—Manton Gaulin Stainless Homogenizer 125 gph.
2—I&R Vacuum Pumps, 5 H.P., 60" & 100".
15—Heat Exchangers (some stainless steel).
1—Kennedy-Van Saun Rotary Dryer, 4'x40'.
Davenport Rotary Steam Tube Dryer, 6'x36'.
1—Gruendler Hammer Mill, 10 H.P.—New.
2—Stainless Steel Steam Jacketed Readco Mixers.
1—#316 Stainless Reactor, 265 gals. cap., jacketed.
Abbe Pebble & Tube Mill, 5'x22'—Buhrstone Lined.
1—Patterson Ball Mill, porcelain lined, 17"x22".
1—Patterson Ball Mill, 42x36, jacketed.
3—Dopp Kettles with agitators 600 gal. cap.
45—Steel Tanks from 100 to 100,000 gals.
2—Large Steam Jacketed Horizontal Mixers.
Robinson Pulverizer #20, with 2 motors 10 HP each.
Robinson Ribbon Type Mixer, 30"x10'—like new.
4—Horizontal Retorts 200# w.p., A.S.M.E., from 12" to 24" dia. 12' long.
2—Crystallizers—10' long.
1—Sparkler S.S. Filter 16-D-6.
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High Speed Roller Mills, medium speed Roller Mills, Pebble Mills, Pony Mixers, Change Can Mixers. We carry a complete line of rebuilt and guaranteed machinery Write for list. Irving Barcan Co. 249 Orient Avenue, Jersey City 5, N J.

1 Bartlett and Snow, Style J, Everdur Continuous Rotary Dryer, 3' dia. x 15' long, complete with copper cyclone dust collector. Unit mounted on structural steel base. Available for inspection at Hackensack, N. J. OPD 570.

For Sale: L & N Instruments. Large quantities of surplus L&N Micromax Strip Chart Recording Controllers (electric); in excellent condition. Thermohm calibration; can convert to thermocouple calibration. Instrument Service Engineering Labs, 1205 Lamar St., Dayton 4, Ohio.

For Sale by large pharmaceutical manufacturer. Laboratory furniture and fixtures ideal for chemical or pharmaceutical work. Approximately 23 center tables, 46 wall tables, 16 fumehoods, also storage cabinets, bookcases, balance tables, sectional cold boxes, consiant temperature room, complete with equipment and controls. Available about May 1, 1955. Equipment in excellent condition. Complete list furnished to interested parties. Replies to: P. O. Box 2096, Phila. 2, Pa.

Auction Sale: Jan. 25th, 1955. Large Stock of new and used laboratory and scientific equipment—instruments and supplies. For further particulars, watch for Jan. 24th, 1955, issue of Oil, Paint & Drug Reporter, same page. OPD 575.

EQUIPMENT OFFERED

Pilot Plant and full scale chemical plant equipment required for large expansion program. Kettles, columns, heat exchangers, tanks, mixers, dryers, centrifuges, pumps, filters, screens, pulverizers, etc. Stainless steel alloy equipment preferred. Complete plants given immediate study. OPD 564.

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EQUIPMENT WANTED

Want heavy duty steam jacketed Baker-Perkins mixer 100 gallon capacity. Sigma or dispersion type blades. Send serial number and price. The Farboil Company, 801 Key Highway, Baltimore 30, Maryland.

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Save up to 60%—20 tons Alkyl Phenol 7c pound; 25 tons T.S.P. (Caked) 2¼c pound; 5 tons Moulding Compound #420 Plaskon 6½c pound; 500 pounds Soap Bark, 1 ton Caustic Potash Pellets, 7½c pound; Farber Products,

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Large international firm of merchants in chemical field wishing to increase its sphere of activity requires a first class man for buying and selling chemical products for import and export. Must have good connections. Write in confidence giving details, experience, salary required, etc. OPD 576.

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Lanpar Names Plant Manager

Carl J. Seifering has been appointed plant superintendent of Lanpar Company, Dallas, Tex., in charge of the company's pharmaceutical tablet manufacturing plant. Mr. Seifering served for the past nineteen years as factory superintendent of Mutual Pharmaceutical Company, Syracuse, N. Y. He also had been associated with Wm. S. Merrell & Sons., Eli Lilly & Co., and Abbott Laboratories.

AEC Tells Industry Aid Plan

—Continued from page 5

operations under the contracts will be made available by AEC to the maximum extent practicable to the entire technical public working on reactor development, with resultant benefit to the progress of the entire nuclear power program.

Criteria for Evaluating

In evaluating the proposals to be submitted before April 1, the commission will employ the following criteria:—

a. Probable contribution of the proposed project toward achieving economically competitive power.

b. Cost to AEC in funds and materials.

c. Risk to be assumed by the maker of the proposal.

d. Competence and responsibility of the maker of the proposal.

e. Assurances given by the maker of the proposal against abandonment of the project.

Those proposals qualifying as acceptable under these criteria will be considered on a competitive basis within the limit of funds and materials available. If the response of industry is favorable and it appears that this procedure will accelerate effective industrial participation in the achievement of practical nuclear power, subsequent dates may be established for receiving additional proposals, it was stated.

Pfizer Claims Victory

—Continued from page 5

ers and by 'protect' we mean that we will save them harmless, against any claim based on their purchase or sale of 'Steclin' or our formulations of 'Steclin.' "

"The courts," Squibb said, "are the proper place for the determination of litigable issues. We propose to keep the distributors of Squibb products free to serve the public health."

Cyanamid, Bristol Settle Suit

It was also announced last week by K. C. Towe, president of American Cyanamid Company, and F. N. Schwartz, president of Bristol Laboratories, that their companies had reached a settlement of the suit brought by Cyanamid last September against Bristol involving infringement of Cyanamid's US Duggar patent No. 2,482,055 by Bristol in its manufacture and sale of tetracycline.

Under the settlement, Cyanamid will dismiss its suit against Bristol. The settlement includes the taking of a worldwide non-exclusive license by Bristol under the Duggar patent and other Cyanamid patents covering Bristol's production of tetracycline by direct fermentation. Under the license, Bristol agrees to pay royalties for past infringement and for future use of the processes and products covered by those patents. Cyanamid's tetracycline is sold under the tradename "Achromycin."

Patent Rules Revised

—Continued from page 5

plication prior to the contract may be excluded are clarified and increased. Of particular interest to small concerns is a new exclusion which reads:—"The invention is useful only for military purposes and the contractor does not have facilities for furnishing the item to the government in production quantities."

2. The government will retain the right to request foreign rights under inventions which the contractor does not choose to patent in a foreign country.

Patent Rights Clause

3. The instructions as to when a patent rights clause is to be included in contracts have not been limited to those contracts wherein research or development work is "specifically called for." Instead, the test is whether "one of the purposes of the contract is experimental, developmental or research work." The instructions do, for the first time, prohibit the use of the patent rights clause unless the contract has experimental, developmental or research work for one of its purposes.

4. The contractor, in the "Reporting of Royalties" clause, is required to furnish a brief description of the royalty bearing unit or process and both the amount and rate of royalties.

Trigg Foundation Donates Data

The Ernest T. Trigg Foundation has donated a complete set of technical publications by Dr. Henry A. Gardner to the department of chemistry and chemical engineering at Case Institute of Technology, Cleveland, Ohio. In accepting the gift, Dr. William von Fischer, head of the department, said that Case plans to use the publications "as an active reference library rather than as a museum collection."

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BFC Asks Use Documents On Shipments to Yugoslavia

Effective February 28, exporters will be required to submit end-use certificates issued by the Yugoslav government in support of export license applications covering shipments to that country, the Bureau of Foreign Commerce announced last week. The new policy applies to all commodities requiring individual export licenses for shipment to Yugoslavia.

End-use certificates will be obtainable from the Yugoslav Federal Chamber for Foreign Trade in Belgrade by the Yugoslav importer who will forward the document to his US exporter for submission to BFC with the export license application. The certificate is a guarantee that the products specified will not be re-exported. BFC said that it would require the original copy of the end-use certificate.

FTC Smiles on Kodak

—Continued from page 4

it sells direct, and, therefore, within limitation of the McGuire act and violative of the price fixing prohibitions of the FTC act.

On this point the opinion stated:—

"If resale price maintenance and partial integration are to be permitted when existing separately, the question is pertinent as to whether the combination of the two practices is detrimental to our economy. The present litigation which seeks to divorce them is supposed to be 'in the public interest' but counsel in support of the complaint gives no hint of an economic basis for the action. It is true, of course, that as a result of respondent's fair trade agreements there is a uniformity of retail prices. But this would continue to exist even if respondent were ordered to divest itself of the thirty-five stores.

"The interpretation of the statute now being suggested by counsel in support of the complaint comes rather late. It would require thousands of manufacturers, if they want to fair trade, to make major changes in their present marketing methods with uncertain but admittedly large economic consequences."

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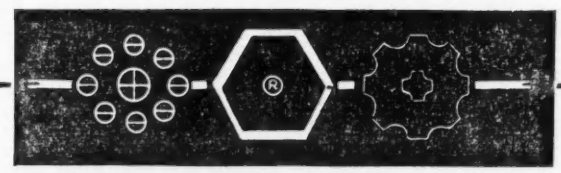

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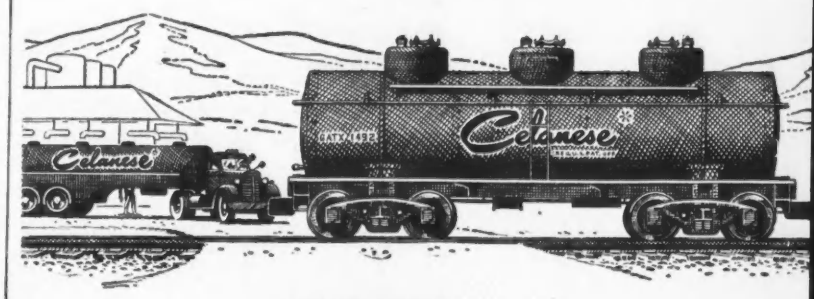

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